

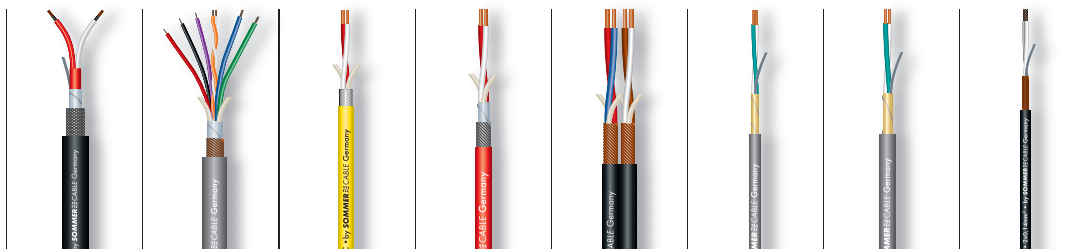
BULK CABLES – AUDIO



OVERVIEW BULK CABLES AUDIO

								
Name:	STAGE 22 HIGHFLEX	CLUB SERIES MKII	SC-SOURCE MKII HIGHFLEX	SC-PRIMUS	SC-SYMBIOTIC	SC-SYMBIOTIC 3	SC-GALILEO 238 & 238 PLUS	SC-SQUARE 4-CORE MKII HIGHFLEX
Page:	30	30	31	31	32	32	32	33
Type:	Microphone cable							
Jacket-Ø (outer dimension) [mm]:	6.4	6.5	6.5	6.7	5.2	5.2	7.0	6.5
Conductor construction [mm²]:	2 x 0.22 AWG24	2 x 0.34 AWG22	2 x 0.25 AWG24	2 x 0.50 AWG21	2 x 0.20 AWG24	3 x 0.20 AWG24	2 x 0.38 AWG21	4 x 0.20 AWG25
Insulation:	PE	PE	PE	PE	PE	PP	PE	PE
Copper spiral shield./double copper spiral shield.:	■/-		■/-	■/-	-/■	-/■	-/■	■/-
Copper-cross mesh shielding:		■						
Foil shield/fleece shield, conductive:			■/-	-/■				-/■
Carbon shield:								
Drain wire:								
Digital:								
Halogen-free/FRNC/PUR:		-/■/-	■/■/■		■/-/-	■/-/■		
AQUA/E30/E90/TERRA:			■/-/-/-					
Mobile/Installation/ELA:	■/■/-	■/■/■	■/■/■	■/■/■	■/■/-	■/■/-	■/■/-	■/■/-
Shielding factor:	99 %	95 %	100 %	100 %	100 %	100 %	100 %	100 %
Capac. cond./cond. per 1 m [pF]:	68	58	60	80	95	95	50	60
Capac. cond./shield. per 1 m [pF]:	130	115	115	145	130	130	100	115
Shield. resistance per 1 km [Ω]:	25	25	25	21		25	25	21
Cond. resistance per 1 km < [Ω]:	53	53	80	37	94	90	52	93

Color:	Type:	ORDER-NO.							
■ black	PVC	200-0001	200-0051	200-0101	200-0151	200-0601	-	200-0251	200-0301
	PUR, halogen-free	-	-	201-0101	-	-	-	-	-
	FRNC, halogen-free	-	200-0051F	200-0101F	-	-	-	-	-
	without imprint	200-0001NE	200-0051NE	-	-	-	-	-	-
	TPE, 2-wire	-	-	-	-	200-0601H	-	-	-
	TPE, 3-wire	-	-	-	-	-	200-0601H3	-	-
	Plus version	-	-	-	-	-	-	200-0271	-
■ blue	PVC	200-0002	200-0052	200-0102	200-0152	-	-	-	-
■ red	PVC	200-0003	200-0053	200-0103	-	-	-	-	-
■ grey	PVC	200-0006	-	-	-	-	-	-	-
	PVC, 110 Ω	-	-	-	-	-	-	-	-
■ yellow	PVC	200-0007	-	-	-	-	-	-	-
■ green	PVC	200-0004	-	-	-	-	-	-	-
■ violet	PVC	200-0008	-	-	-	-	-	-	-
■ vintage tweed	PVC/tweed	-	200-0057V	-	-	-	-	-	-

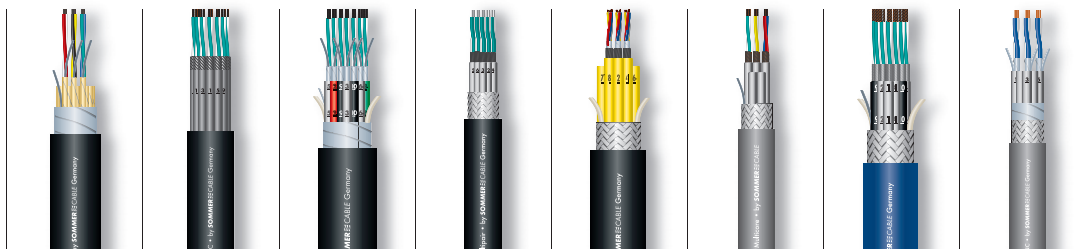


Name:	SC-CARBOKAB 225	SC-OCTAVE TUBE	SC-SCUBA 14 HIGHFLEX	SC-GOBLIN	SC-PEACOCK MKII	SC-ISOPOD SO-F22	SC-ISOPOD SO-F50	SC-CICADA SO-D14
Page:	33	34	34	35	35	36	36	36
Type:	Studio microph. cable AES/EBU	Tube microphone cable	Patch and microphone cable			Balanced patch cable		Patch & microphone cable
Jacket-Ø (outer dimension) [mm]:	7.6	6.5	3.8	4.6	4.5 x 9.2	3.3	4.2	2.6
Conductor construction [mm²]:	2 x 0.25	5 x 0.14 2 x 0.50	2 x 0.14 AWG26	2 x 0.14 AWG26	2 x 2 x 0.22 AWG24	2 x 0.22 AWG24	2 x 0.50 AWG21	2 x 0.14 AWG26
Insulation:	HD-PP	PE	PE	PE	Skin-PE	PE/PP	PE/PP	PE
Copper spiral shield./double copper spiral shield.:		■/-		■/-	■/-			■/-
Copper-cross mesh shielding:	■		■					
Foil shielding/fleece shielding, conductive:	-/■	■/-		-/■		■/-	■/-	
Carbon shielding:								
Drain wire:	■					■	■	■
Digital:					■	■	■	
Halogen-free/FRNC/PUR:						-/■/-		-/-/■
AQUA/E30/E90/TERRA:								
Mobile/Installation/ELA:	■/■/-	-/■/-		-/■/-	-/■/-	-/■/-	-/■/-	-/■/-
Shielding factor:	100 %	100 %	92 %	100 %	95 %	100 %	100 %	95 %
Capac. cond./cond. per 1 m [pF]:	46	69	68	65	70	74	74	65
Capac. cond./shield. per 1 m [pF]:	90	120	130	120	125	143	143	120
Shield. resistance per 1 km [Ω]:	< 8.8	17	25	30	26	75	75	30
Cond. resistance per 1 km < [Ω]:	76	148	53	148	80	80	80	148

Color:	Type:	ORDER-NO.							
■ black	PVC	200-0281	-	200-0311	200-0351	200-0551	200-0401	-	-
	PUR	-	-	-	-	-	-	-	200-0451
	FRNC, halogen-free	-	-	-	-	-	200-0401F	-	-
■ blue	PVC	-	-	-	200-0352	-	200-0402	-	-
■ red	PVC	-	-	200-0313	200-0353	-	200-0403	-	-
■ grey	PVC	-	200-0186	200-0316	200-0356	-	200-0406	201-0406	-
	PVC, 110 Ω	-	-	-	-	-	500-0406	-	-
□ white	PVC	-	-	-	200-0350	-	200-0400	-	-
■ yellow	PVC	-	-	200-0317	-	-	200-0407	-	-
■ orange	PVC	-	-	-	-	-	200-0405	-	-
■ green	PVC	-	-	200-0314	-	-	200-0404	-	-
■ violet	PVC	-	-	-	-	-	200-0408	-	-
■ brown	PVC	-	-	-	-	-	200-040N	-	-

								
Name:	SC-ONYX-TYNEE	SC-ONYX 2008	SC-ONYX 2025 MKII	SC-SINUS CONTROL	TRICONE MKII	SC-CLASSIQUE	SC-SPIRIT / SC-SPIRIT XXL	GRINDYCOP BEAST
Page:	37	37	37	37	38	38	39	39
Type:	Instrument and patch cable			Instrument cable		Guitar cable		High end instrument cable
Jacket-Ø (outer dimension) [mm]:	4.0	2.6 x 5.9	4.8 x 9.2	12.0 x 6.0	5.9	7.0	7.0 / 6.8	6.0 / 6.0 x 12.0
Conductor construction [mm²]:	1 x 0.22 AWG24	2 x 1 x 0.08 AWG28	2 x 1 x 0.25 AWG24	3 x 0.35 AWG22	1 x 0.22 AWG24	1 x 0.50 AWG21	1 x 0.50 / 1 x 0.75 AWG21	1 x 0.35 / 2 x 0.35 AWG22
Insulation:	PE	PE Lupolen	PE	Skin-PE	Skin-PE	Foam-PE	PE	Skin-PE/PE
Copper spiral shield./double copper spiral shield.:	■/-	■/-	■/-		■/-		-/■	
Copper-cross mesh shielding:				■		■		
Foil shield/fleece shield, conductive:				■/-				■/-
Carbon shield:					■	■	■	
Drain wire:								■
Digital:								
Halogen-free/FRNC/PUR:								
AQUA/E30/E90/TERRA:								
Mobile/Installation/ELA:	-/■/-	-/■/-	-/■/-	-/■/-	■/■/-	■/-/-	■/■/-	■/■/-
Shielding factor:	90 %	90 %	90 %	100 %	100 %	100 %	100 %	100 %
Capac. cond./cond. per 1 m [pF]:								
Capac. cond./shield. per 1 m [pF]:	125	<200	60	75	<85	80	78/88	88/102
Shield. resistance per 1 km [Ω]:								
Cond. resistance per 1 km < [Ω]:	85	220	115	53	90	40	38.2/25	25

Color:	Type:	ORDER-NO.							
■ black	PVC	300-0031	320-0061	320-0101	-	300-0021	-	300-0051	-
	transparent	-	-	-	-	-	-	300-0071	
■ blue	PVC	-	-	320-0102	320-0252	300-0022	-	-	-
■ red	PVC	-	-	-	-	300-0023	-	-	-
□ transparent	red/green, single	-	-	-	-	-	-	-	300-0159
□ transparent	red/green, twin cable	-	-	-	-	-	-	-	300-0259
■ green	PVC	-	-	-	-	300-0024	-	-	-
■ tweed-yellow	PVC	-	-	-	-	-	300-0107	-	-
■ black-white	PVC	-	-	-	-	-	300-0110	-	-
■ black-blue	PVC	-	-	-	-	-	300-0112	-	-

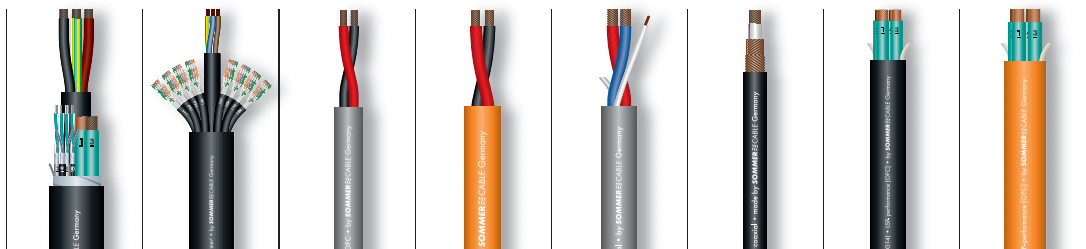


Name:	SC-PLANET	SC-QUANTUM HIGHFLEX	SC-MISTRAL	SC-TRANSFER HIGHFLEX	SC-PEGASUS	SC-AURA DMCK	SC-MATRIX	SC-LOGIC
Page:	40	41	42	43	44	45	46	47
Type:	Multipair audio	Multipair stage, studio & install.	Multipair studio, installation	Multipair stage + OB Van	Multipair studio high end	Compact multipair	Multipair module cable	Multipair module cable, fixed inst.
Jacket-Ø (outer dimension) [mm]:	7.0-22.0	8.5-29.0	8.0-32.3	9.6-24.5	13.5-28.0	10.8/12.9	9.5-26.0	3.6-27.2
Jacket color:	■	■	■	■	■	■	■	■
Conductor construction [mm²]:	x 2 x 0.19 AWG24	x 2 x 0.14 AWG26	x 2 x 0.22 AWG24/7	x 2 x 0.14 AWG26	x 4 x 0.20 AWG24	x 2 x 0.15 AWG26	x 2 x 0.25 AWG24	x 2 x 0.57 AWG23 / 1
Insulation:	PE	Skin-PE	Skin-PE	TPE-Hytrel®	PP	PE	PE, Skin	Foam-PE
Copper spiral shield./double copper spiral shield.:		■/-		■/-	■/-	■/-	■/-	
Copper cross-mesh shielding:				■	■	■	■	■
Foil shielding/fleece shielding, conductive:	■/-		■/-		■/-			■/-
Drain wire:	■							■
Digital:		■	■		■	■	■	■
Halogen-free/FRNC/PUR:				-/-/■		-/■/-	■/■/-	■/■/-
AQUA/E30/E90/TERRA:							-/-/-/■	
Mobile/Installation/ELA:	■/■/-	■/■/-	■/■/-	■/■/-	■/■/-	■/■/-	-/■/■	-/■/■
Shielding factor:	100 %	99 %	100 %	92 %	100 %	90 %	95 % / 90 %	100 %
Capac. cond./cond. per 1 m [pF]:	65	45	46	85	37	55	60	45
Capac. cond./shield. per 1 m [pF]:	130	90	130	140	76	160	120	86
Cond. resistance per 1 km < [Ω]:	80	90	80	138	102	130	90	165

No. of channels:	Type:	Ø [mm]	ORDER-NO.	Ø [mm]	ORDER-NO.	Ø [mm]	ORDER-NO.	Ø [mm]	ORDER-NO.	Ø [mm]	ORDER-NO.	Ø [mm]	ORDER-NO.	Ø [mm]	ORDER-NO.
• 1	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	-	-	3.6	100-1156-01
• 2	S-PVC	7.0	100-0051-02	8.5	100-0451-02	9.6	100-0101-02	-	-	13.5	100-0501-02	-	-	-	-
	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	9.5	100-0302-02	9.1	100-1156-02
	Version PP	-	-	-	-	8.0	100-0114-02	-	-	-	-	-	-	-	-
• 3	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	10.0	100-0302-03	9.3	100-1156-03
• 4	S-PVC	9.0	100-0051-04	10.2	100-0451-04	11.3	100-0101-04	-	-	16.0	100-0501-04	-	-	-	-
	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	11.3	100-0302-04	11.3	100-1156-04
• 5	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	-	-	11.9	100-1156-05
• 6	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	13.8	100-0302-06	12.7	100-1156-06
• 8	S-PVC	-	-	13.8	100-0451-08	14.8	100-0101-08	-	-	21.0	100-0501-08	-	-	15.5	100-0302-08
	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	-	-	14.2	100-1156-08
	PUR, Master Blend	-	-	-	-	-	9.6	100-0401-08	-	-	-	-	-	-	-
	FRNC	-	-	-	-	-	-	-	-	10.8	100-0356-08F	-	-	-	-
• 10	S-PVC	12.0	100-0051-08+2	14.6	100-0451-10	-	-	-	-	-	-	-	-	15.5	100-1156-10
	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PVC	-	-	-	-	-	-	-	-	12.9	100-0356-10	-	-	-	-
	FRNC	-	-	-	-	-	-	10.8	100-0401-10F	-	12.9	100-0356-10F	-	-	-
• 12	S-PVC	-	-	16.0	100-0451-12	17.9	100-0101-12	-	-	25.5	100-0501-12	-	-	-	-
	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	19.0	100-0302-12	17.4	100-1156-12
	PUR, Master Blend	-	-	-	-	-	11.2	100-0401-12	-	-	-	-	-	-	-
• 14	S-PVC	12.5	100-0051-12+2	-	-	-	-	-	-	-	-	-	-	-	-
• 16	S-PVC	-	-	17.5	100-0451-16	20.1	100-0101-16	-	-	28.0	100-0501-16	-	-	-	-
	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	20.5	100-0302-16	20.8	100-1156-16
	PUR, Master Blend	-	-	-	-	-	-	14.4	100-0401-16	-	-	-	-	-	-
• 18	S-PVC	15.5	100-0051-16+2	-	-	-	-	-	-	-	-	-	-	-	-
• 20	S-PVC	16.5	100-0051-20	19.5	100-0451-20	22.3	100-0101-20	-	-	-	-	-	-	-	-
	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	-	-	22.6	100-1156-20
• 24	S-PVC	-	-	21.5	100-0451-24	24.9	100-0101-24	-	-	-	-	-	-	-	-
	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	23.5	100-0302-24	23.6	100-1156-24
	PUR, Master Blend	-	-	-	-	-	-	15.0	100-0401-24	-	-	-	-	-	-
• 26	S-PVC	18.0	100-0051-24+2	-	-	-	-	-	-	-	-	-	-	-	-
• 32	S-PVC	-	-	24.0	100-0451-32	28.8	100-0101-32	-	-	-	-	-	-	-	-
	HM2 (Test Type C)	-	-	-	-	-	-	-	-	-	-	26.0	100-0302-32	27.2	100-1156-32
	PUR, Master Blend	-	-	-	-	-	-	17.5	100-0401-32	-	-	-	-	-	-
• 36	S-PVC	19.2	100-0051-34+2	-	-	-	-	-	-	-	-	-	-	-	-
• 40	S-PVC	-	-	27.5	100-0451-40	32.3	100-0101-40	-	-	-	-	-	-	-	-
	PUR, Master Blend	-	-	-	-	-	-	19.5	100-0401-40	-	-	-	-	-	-
• 42	S-PVC	20.5	100-0051-40+2	-	-	-	-	-	-	-	-	-	-	-	-
• 48	S-PVC	-	-	29.0	100-0451-48	-	-	-	-	-	-	-	-	-	-
	PUR, Master Blend	-	-	-	-	-	-	21.5	100-0401-48	-	-	-	-	-	-
• 50	S-PVC	22.0	100-0051-48+2	-	-	-	-	-	-	-	-	-	-	-	-

								
Name:	SC-LOGIC SAFETY	SC-SEMICOLON 2 AES/EBU PATCH	SC-PEACOCK AES/EBU	BINARY 234 AES/EBU MKII	BINARY 434 DMX512	BINARY 434 TP DMX512	SC-KOLORITH 1	SC-MONOLITH POWER DMX
Page:	48	49	49	50	50	51	51	52
Type:	Safety & fire alarm cable	AES/EBU & DMX-cable					AMX control cable	AES/EBU, DMX combi-cable + P
Jacket-Ø (outer dimension) [mm]:	8.0 - 27.4	5.0	4.5 x 9.2	6.4	7.0	8.0	7.4	14.5 - 20.0
Conductor construction [mm²]:	x 2 x 0.80 AWG20	2 x 0.22 AWG24	2 x 2 x 0.22 AWG24	2 x 0.34 AWG22	4 x 0.34 AWG22	4 x 0.22 AWG24	2 x 0.38+P AWG21	x 2 x 0.25 AWG23 / 25
Insulation:	Cross Link Polymer	PE	Skin-PE	PE/HM2	PE	Foam PE	PP	
Copper spiral shield./double copper spiral shield.:		■/-	■/-	■/-				
Copper cross-mesh shielding:					■	■		■
Foil shielding/fleece shielding, conductive:	■/-	■/-		-/■	■/-	■/-	■/-	
Carbon shield:								
Drain wire:	■						■	
Digital:	■	■	■	■	■	■	■	■
Halogen-free/FRNC/PUR:	■/■/-	■/■/-		■/■/-	-/-/■		■/■/-	
AQUA/E30/E90/TERRA:	-/■/■/-			■/-/-/-	■/-/-/■	-/-/-/■		
Mobile/Installation/ELA:	-/■/■	-/■/-	-/■/-	■/■/■	■/■/■	■/■/■	■/■/■	■/■/-
Shielding factor:	100 %	100 %	95 %	100 %	100 %	100 %	100 %	90 %
Capac. cond./cond. per 1 m [pF]:	110	45	70	< 65	65	45	65	55
Capac. cond./shield. per 1 m [pF]:	200		125	115	245	116	120	110
Shield. resistance per 1 km [Ω]:			26	12	15	15	25	
Cond. resistance per 1 km < [Ω]:		80	80	53	53	80	52	58/80

Color:	Type:	ORDER-NO.							
■ black	PVC	-	-	-	520-0051	540-0051	-	500-0101-1	-
	PVC, 1-pair	-	-	-	-	-	-	-	500-0051-1
	PVC, 1-pair, compact	-	-	-	-	-	-	-	502-0051-1
	PVC, 2-pair	-	-	-	-	-	-	-	500-0051-2
	PVC, 2-pair, HV	-	-	-	-	-	-	-	500-0281-2
	PVC, 4-pair	-	-	-	-	-	-	-	500-0051-4
	PVC, 4-pair, HV	-	-	-	-	-	-	-	500-0281-4
	PVC, 8-pair, duplex	-	-	-	-	-	-	-	501-0051-8
	S-PVC	-	-	-	-	-	542-0051	-	-
	FRNC	-	-	-	520-0051F	-	-	500-0101-1F	-
	PUR	-	-	-	521-0051	541-0051	-	-	-
	PE	-	-	-	-	540-0051PE	-	-	-
		-	-	-	-	-	-	-	-
■ grey	PVC	-	-	-	-	540-0056	-	-	-
■ blue	PVC	-	520-0102	-	520-0052	-	-	-	-
	S-PVC	-	-	200-0552	-	-	542-0052	-	-
	FRNC	-	520-0102F	-	-	-	-	-	-
■ red	E90, 1-pair	100-1173-01	-	-	-	-	-	-	-
	E90, 2-pair	100-1173-02	-	-	-	-	-	-	-
	E90, 4-pair	100-1173-04	-	-	-	-	-	-	-
	E90, 8-pair	100-1173-08	-	-	-	-	-	-	-
	E90, 12-pair	100-1173-12	-	-	-	-	-	-	-
	E90, 16-pair	100-1173-16	-	-	-	-	-	-	-
	E90, 20-pair	100-1173-20	-	-	-	-	-	-	-



Name:	SC-NAUTILUS 16 PAIR HV	SC-MONOCAT POWER	MERIDIAN	MERIDIAN E30	SC-ECLIPSE SPQ240 MKII	SC-MAGELLAN SPK	ELEPHANT	ELEPHANT 440-E30
Page:	53	53	54	54	55	55	56	56
Type:	Multip. Hybrid Audio + Power + Speaker	AES/EBU, DMX, CAT5 & Power Combi-Cable	Speaker cable					
Jacket-Ø (outer dimension) [mm]:	24.0	19.5/26.8	6.8 - 12.6	6.8-12.6	9.5	6.0/8.0	9.7 - 15.6	12.8
Conductor construction [mm²]:	3x1.5 4x2.5 16 x AWG 24	3x2.5 x4x2x AWG 26	2x1.5/2.5/ 4.0/6.0 AWG16-10	2x2.5/ 4.0/6.0 AWG 14-10	2x4.0+1x0.5 AWG12	1x2.5/1x4.0/ 1x6.0 AWG14/10	x2.5/x4.0 AWG12/14	4x4.0 AWG12
Insulation:	Skin-PE	PP		SIL	PVC	PVC/HM2	PVC/HM2	SIL
Copper spiral shield./double copper spiral shield.:						-/■		
Copper cross-mesh shielding:								
Foil shielding/fleece shielding, conductive:								
Carbon shield:								
Drain wire:					■			
Digital:	■	■						
Halogen-free/FRNC/PUR:		■/■/■	■/■/-	■/■/-		■/■/-	■/■/■	■/■/-
AQUA/E30/E90/TERRA:				-/■/-/-		-/-/-/■	■/-/-/-	-/■/-/-
Mobile/Installation/ELA:	■/■/-	■/■/-	■/■/■	-/■/■	■/■/■	-/■/■	■/■/■	-/■/■
Shielding factor:		100 %				100 %		
Capac. cond./cond. per 1 m [pF]:	65	48	125 - 150	125 - 136	240	150/450		
Capac. cond./shield. per 1 m [pF]:	130	100						
Shield. resistance per 1 km [Ω]:	75							
Cond. resistance per 1 km < [Ω]:	80	80	3.3 - 13	3.3 - 7.8	4.5	7.8/5.0	4.5 - 7.8	

Color:	Type:	ORDER-NO.							
■ black	PVC	100-0251-16	-	-	-	-	-	-	-
	2 x CAT.6 + P, PMB	-	500-0171-2	-	-	-	-	-	-
	8 x CAT.6 + P, PUR	-	500-0181-8	-	-	-	-	-	-
	2.5 mm²	-	-	-	-	425-0201	-	-	-
	2.5 mm², FRNC halogen-free	-	-	-	-	425-0201F	-	-	-
	4.0 mm²	-	-	-	-	440-0201	-	-	-
	4.0 mm², FRNC halogen-free	-	-	-	-	440-0201F	-	-	-
	6.0 mm² FRNC halogen-free	-	-	-	-	460-0201F	-	-	-
	4 x 2.5 mm², PVC	-	-	-	-	-	490-0051-425	-	-
	5 x 2.5 mm², PVC	-	-	-	-	-	490-0051-525	-	-
	8 x 2.5 mm², PVC	-	-	-	-	-	490-0051-825	-	-
	4 x 4 mm², PVC	-	-	-	-	-	490-0051-440	-	-
	5 x 4 mm², PVC	-	-	-	-	-	490-0051-540	-	-
	8 x 4 mm², PVC	-	-	-	-	-	490-0051-840	-	-
	4 x 4 mm² + 2 x 2.5 mm², PVC	-	-	-	-	-	490-0051-4025	-	-
	8 x 2.5 mm², FRNC	-	-	-	-	-	490-0051-825F	-	-
	4 x 4 mm², FRNC	-	-	-	-	-	490-0051-440F	-	-
	8 x 4 mm², FRNC	-	-	-	-	-	490-0051-840F	-	-
	4 x 4 mm², PUR	-	-	-	-	-	490-0251-440	-	-
	2 x 6.0 mm², PVC	-	-	460-0051	-	-	-	-	-
	2 x 2.5 mm², FRNC	-	-	425-0051F	-	-	-	-	-
	2 x 4.0 mm², FRNC	-	-	440-0051F	-	-	-	-	-
	2 x 6.0 mm², FRNC	-	-	460-0056F	-	-	-	-	-
	2 x 2.5 mm², PUR	-	-	425-0051P	-	-	-	-	-
■ dark grey	2 x 1.5 mm², PVC	-	-	415-0056	-	-	-	-	-
	2 x 2.5 mm², PVC	-	-	425-0056	-	-	-	-	-
	2 x 4.0 mm², PVC	-	-	440-0056	-	-	-	-	-
	2 x 6.0 mm², PVC	-	-	460-0056	-	-	-	-	-
■ orange	2 x 2.5 mm², E30	-	-	-	425-0055E30	-	-	-	-
	2 x 4.0 mm², E30	-	-	-	440-0055E30	-	-	-	-
	2 x 6.0 mm², E30	-	-	-	460-0055E30	-	-	-	-
	4 x 4 mm², E30	-	-	-	-	-	-	-	490-0155-440E30
□ white	2 x 2.5 mm², PVC	-	-	425-0050	-	-	-	-	-
■ grey	PVC	-	-	-	-	440-0256	-	-	-

MICROPHONE CABLE

BALANCED

STAGE 22 HIGHFLEX

☒ STAGE
 ☒ MOBILE
 ☒ INSTALLATION

ANALOG

OFC

One thick coat...

will protect the interior against mechanical wear, eg. pulling, tugging, and knotting. For this reason we equipped the **STAGE 22** with a thick outer jacket of 6.4 mm. Also the electrical data and the technical construction are worth taking a look at: The **STAGE 22** offers low capacity and high bending cycles, this is provided by the fine and dense individual stranding.

The shielding made of polished copper wires is 99 % optically opaque (instead of the usual 85 %). Thus the **STAGE 22** is the ideal cable for stage, home recorder, the leasing agent, and the installation technician.

The **STAGE 22** is a very affordable cable with no need to compromise.

Ø mm
6.4

Shielding
99 %

2x
mm²
2x0.22

APPLICATION:

- Stage application
- Home recording

PRODUCT ADVANTAGES:

- High transmission quality due to the use of fine stranding
- Very robust due to the thick, soft PVC-jacket
- Good protection due to the dense copper spiral shielding
- High flexibility makes it easy to wind
- Very affordable price

TECHNICAL DATA

Construction:	(2LI2Y0.22mm ²)DY
Jacket, diameter:	PVC, 6.4 mm
Inner conductors:	2 x 0.22 mm ² (AWG24)
Copper strand per conductor:	32 x 0.10 mm
Conductor insulation:	PE 1.40 mm
Shielding:	Copper spiral shielding with 0.10 mm indiv. strands
Shielding factor:	99 %
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.22 kWh
Weight per 1 m:	55 g
Packaging:	100/500 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	68 pF
Capac. cond./shield. per 1 m:	130 pF
Cond. resistance per 1 km:	53 Ω
Shielding resistance per 1 km:	25 Ω
Insulation resistance per 1 km:	> 1 GΩ
Impedance:	approx. 100 Ω

COLOR

■ black	
■ blue	
■ red	
■ green	
■ icy grey	
■ yellow	
■ violet	
■ black, without imprint	

ORDER-NO.

200-0001
200-0002
200-0003
200-0004
200-0006
200-0007
200-0008
200-0001 NE

FREE SAMPLE AVAILABLE!

MICROPHONE CABLE

BALANCED

CLUB SERIES MKII

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA

ANALOG

FRNC

OFC

No blood in those veins...

but yet a whole lot of life. A wire diameter of 2 x 0.34 mm² is impressive and the electrical data speaks for itself. A cable giving great performance at an excellent price, used for stage and studio settings.

The large diameter and the low capacity guarantee outstanding transmission quality, even over long distances. The shielding consisting of polished copper wires is 95 % optically opaque (instead of the usual 85 %).

The robust, rubberlike, matt outer sleeve is preferred by stage musicians and guarantees the highest flexibility even in lowest temperatures.

Starting now the new MKII is shielded with copper braiding.

Now also available in an FRNC-version!

Ø mm
6.5

Shielding
95 %

2x
mm²
2x0.34

Version
vintage tweed
with textile braiding



APPLICATION:

- Stage application
- Studio operation
- Fixed installation

PRODUCT ADVANTAGES:

- High transmission quality through the use of oxygen-free copper stranding with a large wire diameter of 2 x 0.34 mm²
- Very low capacity due to the PE-insulation
- Good protection due to the dense copper braided shielding
- High flexibility makes it easy to wind

TECHNICAL DATA

Construction:	(2LI2Y0.34mm ²)CY
Jacket, diameter:	6.5 mm
Material jacket:	Standard in PVC/FRNC version in HM2 (Test type C)
Inner conductors:	2 x 0.34 mm ² (AWG22)
Copper strand per conductor:	19 x 0.15 mm
Conductor insulation:	PE 1.52 mm
Shielding:	Copper braided shielding with 0.10 mm indiv. strand tin-plated
Shielding factor:	95 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.22 kWh
Weight per 1 m:	56 g
Packaging:	100/500 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	58 pF
Capac. cond./shield. per 1 m:	115 pF
Cond. resistance per 1 km:	53 Ω
Shielding resistance per 1 km:	25 Ω
Insulation resistance per 1 km:	> 1 GΩ
Impedance:	approx. 100 Ω

COLOR

■ black	
■ blue	
■ red	
★ black, FRNC	
■ black, without imprint	
■ vintage tweed	

ORDER-NO.

200-0051
200-0052
200-0053
200-0051 F
200-0051 NE
200-0057 V

FREE SAMPLE AVAILABLE!

MICROPHONE CABLE

BALANCED, OUTDOOR

SC-SOURCE MKII HIGHFLEX



☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA
 ☒ HIFI
 ANALOG FRNC HALOGEN-FREE PUR OFC AQUA

Specialists sing their praise...

Specialists have turned it into a bestseller. This cable was originally developed for the manufacturers of professional studio microphones, eg. BPM and Schoeps. Their demands for top quality helped us to create a professional and yet affordable studio microphone cable.

SC-SOURCE is 100 % shielded through the use of dense copper spiral shielding and a robust braided fleece around the wire pairs. The fleece is vaporized on both sides with a conductive aluminum layer. This guarantees endurance of 100 % shielding even with strong wear. This cable should be used wherever electrical sources could interfere with audio and data transmission. Excellent values, comparable cables cost almost twice the price at our competitor's. Because of the fine 0.05 mm copper stranding it is a very popular cable for outdoor transmission and mobile application.

Ø mm
6.5Shielding
100%mm²
2x0.25

APPLICATION:

- Professional studio and microphone technology
- Outdoor transmission/ OB Van
- Enduring stage application

PRODUCT ADVANTAGES:

- Neutral and loss free audio transmission due to the special copper strand construction
- 100 % Shielding due to dense copper spiral shielding and an additional AL-fleece
- Professional technology at a low price
- Available in a PUR-version, resistant to notching and cold temperatures

TECHNICAL DATA

Construction:	(2LI2Y0.25mm ²)(ST)DY
Jacket, diameter:	6.5 mm
Material jacket:	Standard in PVC/FRNC version in HM2 (Test type C)
Inner conductors:	2 x 0.25 mm ² (AWG24)
Copper strand per conductor:	126 x 0.05 mm
Conductor insulation:	PE 1.55 mm
Shielding:	Copper spiral shielding 95 % + AL-fleece
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.21 kWh
Weight per 1 m:	48 g
Packaging:	100/500 m roll

FREE SAMPLE
AVAILABLE!

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	60 pF
Capac. cond./shield. per 1 m:	115 pF
Cond. resistance per 1 km:	< 80 Ω
Shielding resistance per 1 km:	25 Ω
Insulation resistance per 1 km:	> 1 GΩ

COLOR

COLOR	ORDER-NO.
■ black	200-0101
■ blue	200-0102
■ red	200-0103
★ black, FRNC	200-0101F
★ black, PUR, halogen-free	201-0101

MICROPHONE CABLE

BALANCED, LONG DISTANCE

SC-PRIMUS

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA
 ANALOG OFC

The marathon runner...

doesn't have it easy. He must run and run. In sporting arenas our cables also must put long distances behind themselves. But they neither lie around, nor do they run. The diameter of 2 x 0.50 mm² makes this cable ideal for theatres, public buildings, sporting arenas, etc. Because of the 100 % shielding and a thick outer jacket the **SC-PRIMUS** is also recommended for installation in discos and night clubs. Neither aggressive nicotine nor strong variations in temperature can affect this cable. Stage technicians swear by it and the touring sound agencies prefer the **SC-PRIMUS** because of its endurance and "memory", making manual winding easy.

Halogen-free version available upon request.

Ø mm
6.7Shielding
100%mm²
2x0.50

APPLICATION:

- Broadcast and OB Van, building installation
- Professional studio technology
- Extreme stage application
- Installation in discos, cafés, sporting events

PRODUCT ADVANTAGES:

- Optimum transmission quality even for long lengths due to the large wire diameter of 2 x 0.50 mm²
- 100 % Copper spiral shielding and additional metallic fleece
- Durability due to a thick PVC-jacket with a diameter of 6.7 mm
- Easy to wind and good tensile strength

TECHNICAL DATA

Construction:	(2LI2Y0.50mm ²)(ST)DY
Jacket, diameter:	PVC, 6.7 mm
Inner conductors:	2 x 0.50 mm ² (AWG21)
Copper strand per conductor:	28 x 0.15 mm
Conductor insulation:	PE, 1.65 mm
Shielding:	Copper spiral sleeve tin-plated + metallic fleece
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.23 kWh
Weight per 1 m:	53 g
Packaging:	100/500 m roll

FREE SAMPLE
AVAILABLE!

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	80 pF
Capac. cond./shield. per 1 m:	145 pF
Cond. resistance per 1 km:	37 Ω
Shield. resistance per 1 km:	21 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

COLOR	ORDER-NO.
■ black	200-0151
■ blue	200-0152



MICROPHONE CABLE

BALANCED, BROADCAST

SC-SYMBIOTIC SC-SYMBIOTIC 3

MOBILE STUDIO INSTALLATION

ANALOG PUR OFC
HALOGEN-FREE (TPE version)

STRONG
SPVC

Bet that...

you can hear this cable on the radio? We added the **SC-SYMBIOTIC** to our program to meet the demands of many broadcast and sound technicians. They appreciate the extremely dense double spiral shielding made of oxygen-free copper, the small diameter, and the enormous flexibility with the extremely fine strand construction of 102 x 0.05 individual wires.

The **SC-SYMBIOTIC** was especially constructed according to specifications set forth by broadcast stations all over the world. Because of its minimal weight the **SC-SYMBIOTIC** also is ideal for use with goose-neck-microphones. For permanent installation and mobile applications we recommend the halogen-free version of the **SC-SYMBIOTIC** and the cold-resistant version in compliance with VDE 0472/ Part 815. It has a notch-resistant and highly flexible TPE-jacket material guaranteed for a temperature range of -50 °C to +125 °C.

The 3-wire version has an additional wire to join individual XLR-connector frame grounds. This connection technology is standard and even required at some TV and broadcast stations. Of course, this wire can also be used for supply voltage.

APPLICATION:

- Professional radio, TV, and studio technologies
- Outdoor transmission (TPE)
- Fixed installation in- and outside of public buildings
- Ideal for goose-neck-microphone application

PRODUCT ADVANTAGES:

- Extremely resistant to hot and cold temperatures (TPE)
- Constructed accord. to German Radio and BBC-Specifications
- Extremely flexible due to the fine strand construction (102 x 0.05 individual wires)
- Small diameter, thus inconspicuous when installed
- Perfectly shielded against RF-interference

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA	SYMBIOTIC	SYMBIOTIC 3
Construction:	(2LI2Y0.20mm²)YDDY	(3LI2Y0.20mm²)YDDY
Jacket, diameter:	5.2 mm	TPE 5.2 mm
Material jacket:	Standard in PVC/TPE version in TPE	
Inner conductors:	2 x 0.20 mm² (AWG24)	3 x 0.20 mm² (AWG24)
Copper strand per conductor:	102 x 0.05 mm	102 x 0.05 mm
Conductor insulation:	PE 1.30 mm	PP 1.30 mm
Shielding:	Double copper spiral, counter-rotating	
Shielding factor:	100 %	100 %
Temperature range PVC:	-30 °C...+70 °C	
Temperature range TPE:	-50 °C...+125 °C	
Fire load per m:	0.13 kWh	0.11 kWh
Weight per 1 m:	38 g	55 g
Packaging:	100/500 m roll	

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	95 pF	95 pF
Capac. cond./shield. per 1 m:	130 pF	130 pF
Cond. resistance per 1 km:	< 94 Ω	< 90 Ω
Shield. resistance per 1 km:		25 Ω
Insulation resistance per 1 km:	> 1 GΩ	> 1 GΩ

COLOR

■ black, PVC

★ black, TPE, 2-wire

★ black, TPE, 3-wire

ORDER-NO.

200-0601

200-0601H

200-0601H3



MICROPHONE CABLE

BALANCED, HIGH END

SC-GALILEO 238 & 238 Plus

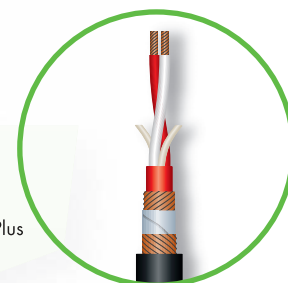
STAGE MOBILE STUDIO INSTALLATION

ANALOG OFC

Double...

shields better. Just like the **SC-SYMBIOTIC**, but a little bit more exclusive due to the double counter-rotating copper spiral shielding and the wire pairs embedded in PVC. This makes it even more flexible. Because of the thicker wire diameter (2 x 0.38 mm²) it is suitable for distances of more than 100 meters. This cable is technically sound and may be the best microphone cable on the world market. Your clients in the recording studio will be surprised by the noise-free transmission!

On the **SC-GALILEO 238 Plus** (Article-No. 200-0271) the two counter-rotating spiral shields were insulated separately with a non-conductive foil. This separation of the grounding shields is very often used in professional sound studios and in broadcasting.



Version 238 Plus

APPLICATION:

- Highly professional studio and stage technology
- Demanding OB Van for radio and broadcasting
- First class HiFi-connection (conductor red and white on Pin1, shielding separately)

PRODUCT ADVANTAGES:

- Extreme long life and twist-proof due to the thick jacket and the wire pairs embedded in PVC
- Absolutely neutral and loss-free audio transmission due to the use of fine copper strands
- Excellent protection due to the dense counter-rotating double spiral shielding
- Very flexible due to the dense wire stranding
- Loss-free transmission over long distances due to a large wire diameter of 2 x 0.38 mm²

TECHNICAL DATA

Construction:	(2LI2Y0.38mm²)YDDY
Jacket, diameter:	PVC, 7.0 mm
Inner conductors:	2 x 0.38 mm² (AWG21)
Copper strand per conductor:	48 x 0.10 mm
Conductor insulation:	PE 1.55 mm
Shielding:	Double copper spiral, counter-rotating
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.22 kWh
Weight per 1 m:	60 g
Packaging:	100 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	50 pF
Capac. cond./shield. per 1 m:	100 pF
Cond. resistance per 1 km:	< 52 Ω
Shield. resistance per 1 km:	25 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	38 Ω

COLOR

■ black

■ black (Plus)

ORDER-NO.

200-0251

200-0271

FREE SAMPLE
AVAILABLE!

MICROPHONE CABLE

BALANCED, 4-WIRES, CROSSOVER, STUDIO

SC-SQUARE 4-CORE MKII HIGHFLEX

☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ HIFI

☒ ANALOG
 ☒ OFC

The sound director...

sets the tone and our cable is the same kind of "show-off". The **SC-SQUARE** is a top microphone cable with great extravagance. Two wires are paired for optimum sound. This improves the capacitive values. In studios the cable is especially used to provide phantom power or for noise suppression (here the connection should be crossed over, opposite wires RED/WHITE and BLUE/YELLOW are paired). Dense spiral shielding and an additional metallic fleece foil guarantee superior protection. Because of the complicated, precise construction this cable can often be found in highly demanding HiFi-studios. A highly valued cable because of its homogenous linear sound image.

If you do not want to compromise on sound and "electrics" in the studio, then this is your cable!

Starting now we can supply the **SC-SQUARE** equipped with fine 0.05 mm individual litz!

By the way,
we are a
member of...



APPLICATION:

- Professional studio and microphone technology
- Connection of effect and control units needing a return signal
- Professional MIDI-technology transmission cable
- High end connection of HiFi-units

PRODUCT ADVANTAGES:

- Extremely noise-free due to the crossover connection of 4 individual wires
- Suitable as a phantom power supply and stereo cable due to the use of 2 additional conductor wires
- Very good transmission safety and linear sound transmission
- Extremely robust and good tensile strength due to the thick PVC-jacket
- 100 % Shielding due to dense copper spiral shielding and additional fleece foil

TECHNICAL DATA

Construction:	(4LI2Y0.20mm²)(ST)DY
Jacket, diameter:	PVC, 6.5 mm
Inner conductors:	4 x 0.20 mm² (AWG24)
Copper strand per conductor:	102 x 0.05 mm
Conductor insulation:	PE
Shielding:	Copper spiral shielding + conductive fleece-foil
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.22 kWh
Weight per 1 m:	53 g
Packaging:	100/500 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	60 pF (37 pF Cross Over)
Capac. cond./shield. per 1 m:	115 pF (76 pF Cross Over)
Shield. resistance per 1 km:	21 Ω
Cond. resistance per 1 km:	< 93 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

■ black

ORDER-NO.

200-0301

STUDIO MICROPHONE CABLE AES/EBU

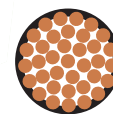
BALANCED, HIGH END, WITH CONDUCTOR SMOOTHING

SC-CARBOKAB 225

STRONG
SPVC

☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION

☒ ANALOG
 ☒ DIGITAL
 ☒ OFC

*The same as every year...*

we are introducing new cable constructions for studio technologies that are very impressive to the user. Solid wires are still preferred for inside conductors, with increased conductivity of the surface layer and a stranding technique that improves audio transmission. But this is only true in theory, because a solid wire also has a lot of disadvantages. For one, it is so hard that it can damage the wire pair insulation with even a slight movement and it lacks flexibility, meaning that the copper can be compressed by even a slight surface bent. Also the drag on the plug connector pins should not be underestimated.

To solve this problem **SOMMER CABLE** has developed the new **SC-CARBOKAB 225**. It has conductor smoothing material made of high-density carbon directly applied to the concentrically stranded litz. With the electrical advantages of a solid wire it stays flexible and ensures consistent, excellent attributes. The good transmission properties of the **SC-CARBOKAB 225** also ensure an absolutely linear sound image over longer distances of up to 200 meters. The 100 % opaque shielding (metal fleece + copper braiding) is very important, because the peripheral units in the studio (effect units, computers, synthesizers, etc.) emit a lot of interference signals. For insulation we use a special mixture of HD-PP, which ensures lowest capacitive attributes. With this cable you are "state-of-the-art" and will be able to avoid tiring "esoteric" discussions in the future!

NEW!

Ø mm
7.6

Shielding
100%

2x0.25
mm²

APPLICATION:

- Highly professional studio and installation technology
- Sophisticated OB Van usage
- First rate HiFi-connection (conductors red and white on Pin 1, separate shielding)

PRODUCT ADVANTAGES:

- Linear audio transmission due to carbon conductor smoothing, including the advantages of a solid wire
- Low capacity due to the use of the high end insulating material HD-PP
- Excellent shielding with copper braiding (+ filler litz) and metal fleece
- High conductivity due to the use of oxygen-free copper, Class 6

TECHNICAL DATA

Construction:	(2LI2Y0.25mm²)(ST)CY
Jacket, diameter:	7.6 mm
Jacket material:	S-PVC
Inner conductors:	2 x 0.25 mm² (AWG24)
Copper strand per conductor:	65 x 0.07 mm
Conductor insulation:	HD-PP 1.55 mm
Shielding:	copper braiding 95 % + AL-fleece
Shielding factor:	100 %
Temperature range:	-30 °C...+80 °C
Fire load per m:	0.22 kWh
Weight per 1 m:	75 g
Packaging:	100 m roll, per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	46 pF
Capac. cond./shield. per 1 m:	90 pF
Cond. resistance per 1 km:	< 76 Ω
Shield. resistance per 1 km:	< 8.8 Ω
Insulat. resistance per 1 km:	> 1 GΩ
Surge impedance:	110 Ω (+/- 2 %)

COLOR

■ black

ORDER-NO.

200-0281

FREE SAMPLE
AVAILABLE!



MICROPHONE CABLE

BALANCED, 7-WIRES, FOR TUBE MICROPHONES

SC-OCTAVE TUBE

⊗ STUDIO ⊗ INSTALLATION

ANALOG

OFC

We step on it...

with our **SC-OCTAVE TUBE**, which has been especially developed for the connection of tube microphones. It has a total of 7 wires, two for power input and the remaining ones for parameter-variable directivity, sensing (measuring), heating, and power for the tube capsule. These five wires are made up of 72 superfine individual 0.05 mm wires and guarantee linear transmission and high flexibility.

With 100 % opaque shielding (copper spiral + AL/fleece) the **SC-OCTAVE TUBE** is protected against all kinds of interference.

It is ideal for the connection of Neumann, BPM, or Schoeps Microphones.

Ø mm

6.5

Shielding

100 %

mm²

5x0.14

+ 2x0.50

APPLICATION:

- Connection of tube microphones
- Application as a high quality control cable

PRODUCT ADVANTAGES:

- Audio and power signal in one cable
- 100 % Shielding against interference
- High quality, linear transmission
- Highly flexible

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	(5LI2Y0.14mm²+2LI2Y0.50mm²)(ST)DY
Jacket, diameter:	PVC 6.5 mm
Inner conductors:	5 x 0.14 mm² (audio) 2 x 0.50 mm² (control)
Copper strand per conductor:	72 x 0.05 mm (audio) 64 x 0.10 mm (control)
Conductor insulation:	PE
Shielding:	Copper spiral shielding + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-25 °C...+70 °C
Weight per 1 m:	67 g
Fire load per m:	0.20 kWh
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	69 pF
Capac. cond./shield. per 1 m:	120 pF
Cond. resistance per 1 km:	148 Ω (audio), 38 Ω (control)
Shield. resistance per 1 km:	< 17 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

■ grey

ORDER-NO.

200-0186



PATCH- AND MICROPHONE CABLE

BALANCED, LEMO-COMPATIBLE

SC-SCUBA 14 HIGHFLEX

⊗ STUDIO

ANALOG

OFC

Through thick and thin...

the new **SC-SCUBA 14 HIGHFLEX** will go right along with you. It is very thin, saves space, is flexible, excellently suited for connectors with a small diameter, for example LEMO patchboards, mini-jacks, cinch, etc. and rack cabling.

Their diameter and wire construction has been configured according to common broadcasting norms and dense copper braiding with 90 % shielding protects the cable from interference.

For the sake of clarity we offer the **SC-SCUBA 14 HIGHFLEX** in five different jacket colors.

Ø mm

3.8

Shielding

92 %

mm²

12x0.14

+ 2x0.50

APPLICATION:

- Patch cabling (LEMO), gooseneck microphones
- Home recording
- Rack and console cabling

PRODUCT ADVANTAGES:

- Very thin, high tensile strength and flexibility
- Available in five different colors
- Good shielding due to dense copper braided shielding
- Very reasonable price

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	(2LI2Y0.14mm²)CY
Jacket, diameter:	PVC 3.8 mm (AWG26)
Inner conductors:	2 x 0.14 mm²
Copper strand per conductor:	18 x 0.10 mm
Conductor insulation:	PE 1.15 mm
Shielding:	copper braiding with 0.10 mm indiv. strand tin-plated
Shielding factor:	92 %
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.09 kWh
Weight per 1 m:	25 g
Packaging:	100/500 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	68 pF
Capac. cond./shield. per 1 m:	130 pF
Cond. resistance per 1 km:	53 Ω
Shield. resistance per 1 km:	25 Ω
Insulation resist. per 1 km:	> 1 GΩ
Impedance:	approx. 100 Ω

COLOR

■ black

■ red

■ green

■ grey

■ yellow

ORDER-NO.

200-0311

200-0313

200-0314

200-0316

200-0317

PATCH- AND MICROPHONE CABLE

BALANCED, TT-PHONE ETC.

SC-GOBLIN



☒ STUDIO
 ☒ INSTALLATION

☒ ANALOG
 ☒ OFC

Not less, but thinner...

and because it is available in four colors, it is easy to identify. Otherwise the technical and electrical construction is similar to **SC-SOURCE** (see page 23). Due to the small diameter it fits almost all current TT-phone and B-gauge plug connectors and can also be used for a Y-adapter cable. Based on the carefully constructed shielding the cable also has the additional positive benefit of enormous treadability and tensile strength. The white version without imprint is suitable for inconspicuous installation in churches.

Ø mm
4.6

Shielding
100 %

mm²
2x0.14

APPLICATION:

- Professional studio patch connection
- High quality mini-microphone cable
- Demanding phone and RCA-connections
- MIDI-cable for long distances
- Inside wiring for racks and connection of audio components and effect units

PRODUCT ADVANTAGES:

- Ideal for patch cables due to the small outer diameter of 4.6 mm
- Very good tensile strength due to the double shielding construction and the special PVC-jacket
- Linear sound transmission due to the special conductor pair construction and the copper stranding
- 100 % Shielded due to the use of metallic fleece and additional copper spiral shielding

TECHNICAL DATA

Construction:	[2(2I2Y0.14mm ²)](ST)DY
Jacket, diameter:	PVC, 4.6 mm
Inner conductors:	2 x 0.14 mm ² (AWG26)
Copper strand per conductor:	18 x 0.10 mm
Conductor insulation:	PE 0.92 mm
Shielding:	Copper spiral sleeve tin-plated + metallic fleece
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.10 kWh
Weight per 1 m:	27 g
Packaging:	100 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF
Capac. cond./shield. per 1 m:	120 pF
Cond. resistance per 1 km:	< 148 Ω
Shield. resistance per 1 km:	30 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

■ black	ORDER-NO. 200-0351
■ blue	200-0352
■ red	200-0353
■ icy grey	200-0356
□ white	200-0350

NEW!

FREE SAMPLE AVAILABLE!

PATCH- AND MICROPHONE CABLE

BALANCED, TWIN STRAND, AES/EBU

SC-PEACOCK MKII

☒ STAGE
 ☒ STUDIO
 ☒ INSTALLATION

☒ ANALOG
 ☒ DIGITAL
 ☒ OFC

Two friends we must be...

and into two plugs we must fit. Or into three – or even four. You can do a lot with this cable. But most importantly it is a stereo cable for microphones and for the construction of cinch and Y-patch cables. Each of these cables is protected individually to 95 % with dense spiral shielding and can be separated at any time. The individual cable fits all jack, XLR, and cinch plugs.

For round cables see the SC-MISTRAL and SC-QUANTUM HIGHFLEX.

■ mm
4.5x9.2

Shielding
95 %

mm²
2x2x0.22

APPLICATION:

- Wiring of stereo microphones
- Construction of insert cables

PRODUCT ADVANTAGES:

- Highly flexible due to the use of a soft PVC-jacket resistant to the cold
- Multiple application because individual cables can be separated

TECHNICAL DATA

Construction:	[2(2I2Y0.22mm ²)DY]Y
Jacket, outer dimension:	PVC, 4.5 x 9.2 mm
Inner conductors:	2 x 2 x 0.22 mm ² (AWG24)
Copper strand per conductor:	28 x 0.10 mm
Conductor insulation:	Skin-PE 1.3 mm
Shielding:	Copper spiral shielding
Shielding factor:	95 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.18 kWh
Weight per 1 m:	49 g
Packaging:	100 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	70 pF
Capac. cond./shield. per 1 m:	125 pF
Cond. resistance per 1 km:	< 80 Ω
Shield. resistance per 1 km:	26 Ω
Insulation resist. per 1 km:	> 500 MΩ
Surge impedance per 1 km:	110 Ω

COLOR

■ black

ORDER-NO.

200-0551

FREE SAMPLE AVAILABLE!

PATCH CABLE

BALANCED

SC-ISOPOD SO-F22 + SO-F50

X INSTALLATION

ANALOG DIGITAL FRNC OFC

The cable with a memory...

maximises efficiency. The inside of equipment racks often looks as if the cat has gotten into Granny's knitting. Here we provide some organisation! The **SC-ISOPOD SO-F** is a 2-wire foil-shielded cable with a compact outer diameter of 3,3 mm or 4,2 mm. The cable is mostly used for inside wiring of audio and HiFi-components. It has a "memory" effect and can be installed "around corners" without any problems.

The copper strands of the respective wire pairs are pre-twisted and can be stripped very easily. For easy connection the cable has an additional pre-twisted and tin-plated drain wire. It is shielded with AL/PT-foil, which automatically adheres to the jacket during stripping.

The **SC-ISOPOD SO-F50** has a larger wire diameter ($2 \times 0.50 \text{ mm}^2$) and is preferred for use with crimp contacts.

The **SC-ISOPOD SO-F22D** has a 110Ω surge impedance (Order-No. 500-0406).

APPLICATION:

- Inside wiring of racks, audio and HiFi-components

PRODUCT ADVANTAGES:

- Fast and easy to work with
- Durability due to the robust plastic jacket we developed specially
- Easy to install due to the "memory" effect

TECHNICAL DATA

Construction:	(2LI2Y0.22mm ²)(ST)Y
Jacket, diameter:	3.3 mm/4.2 mm
Material jacket:	Standard in PVC/FRNC version in HM2 (Test type C)
Inner conductors:	2 x 0.22 mm ² (AWG 24)/2 x 0.50 mm ² (AWG 21)
Copper strand per conductor:	7 x 0.20 mm/28 x 0.15 mm
Conductor insulation:	PE 1.12 mm / AES/EBU: PP 1.3 mm
Shielding:	AL/PT-foil + filler strand, tin-plated
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.05 kWh (SO-F50: 0.07 kWh)
Weight per 1 m:	16 g/19 g
Packaging:	200 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	74 pF
Capac. cond./shield. per 1 m:	143 pF
Cond. resistance per 1 km:	< 80 Ω
Shield. resistance per 1 km:	75 Ω
Insulation resist. per 1 km:	> 1 G Ω

COLOR

- white (SO-F22)
- black (SO-F22)
- blue (SO-F22)
- red (SO-F22)
- green (SO-F22)
- orange (SO-F22)
- grey (SO-F22)
- yellow (SO-F22)
- violet (SO-F22)
- brown (SO-F22)
- grey (SO-F50)
- grey (SO-F22D) 110 Ω
- ★ black, (SO-F22F) FRNC

ORDER-NO.

- 200-0400**
- 200-0401**
- 200-0402**
- 200-0403**
- 200-0404**
- 200-0405**
- 200-0406**
- 200-0407**
- 200-0408**
- 200-040N**
- 201-0406**
- 500-0406**
- 200-0401F**

PATCH- AND MICROPHONE CABLE

BALANCED

SC-CICADA SO-D14

X INSTALLATION

ANALOG PUR OFC

*This tiny twist...*

with its 2.6 mm diameter fits in wherever there is little room. We originally developed the **SC-CICADA SO-D14** as a high quality cable for the inside wiring of racks and audio equipment, but being tested extensively by various manufacturers of microphones they very quickly realised the excellent technical and electrical values of the cable. In the meantime the **SC-CICADA** can be found on many clip and ear microphones, head sets, and speaker units.

Especially appreciated is the extreme flexibility, the dense spiral shielding, and the pre-twisted and tin-plated drain wire on the **SC-CICADA SO-D14**, which gives the cable additional protection against bending and tearing.

If you are a manufacturer of high quality audio components, then wire your units with this cable! The low noise and the shielding will amaze you!

Now available with a PUR-jacket (resistant to notching and cold temperatures!)

APPLICATION:

- Inside wiring of mixing boards, racks, and other audio components
- Flexible cable for clip microphones, ear phones, speaker units, etc.
- Construction of adapter cables

PRODUCT ADVANTAGES:

- Highly flexible due to the fine copper strand construction
- Easy to work with due to the additional filler strand (0.22 mm^2)
- Outstanding shielding due to dense spiral shielding, 95 % optically opaque
- Longevity and resistant to notching due to the tough PUR-jacket

TECHNICAL DATA

Construction:	(2LI2Y0.14mm ²)DY
Jacket, diameter:	PUR Master-Blend, 2.6 mm
Inner conductors:	2 x 0.14 mm ² (AWG26)
Copper strand per conductor:	18 x 0.10 mm
Conductor insulation:	PE 0.92 mm
Shielding:	Copper spiral shielding + filler strand, tin-plated (0.22 mm^2)
Shielding factor:	95 %
Temperature range:	-40 °C...+70 °C
Fire load per m:	0.08 kWh
Weight per 1 m:	13 g
Packaging:	100 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF
Capac. cond./shield. per 1 m:	120 pF
Cond. resistance per 1 km:	< 148 Ω
Shield. resistance per 1 km:	30 Ω
Insulation resist. per 1 km:	> 1 G Ω

COLOR

- black, PUR

ORDER-NO.

- 200-0451**

INSTRUMENT & PATCH CABLE

UNBALANCED

SC-ONYX-TYNEE
SC-ONYX 2008
SC-ONYX 2025 MKII
 STUDIO
  INSTALLATION
  HIFI

 ANALOG
  OFC

The twin cable...

is similar in construction and quality to the **TRICONE MKII**, but a little thinner due to the twin-construction. It is suitable for the fabrication of HiFi-cables, adapters, and for fixed installation. And it fits almost all jack and cinch plugs. The **SC-ONYX** can be split at the center of the cable. Each wire has its own copper spiral shielding and is equipped with a thick jacket. The insulation is identified in either white and red, respectively white and yellow (**SC-ONYX 2208**). The **SC-ONYX 2208** is very small in diameter making it ideal for the manufacture of mini-jack plugs. New is the single wire cable **SC-ONYX-TYNEE** (LED-cable).

NEW!

mm 4.0	mm 4.8x9.2	mm 2.6x5.9
Shielding 90%	Shielding 90%	Shielding 90%
mm ² 1x0.22	mm ² 2x1x0.25	mm ² 2x1x0.08

APPLICATION:

- Cabling for unbalanced units (keyboards)
- Connection of HiFi-units
- Construction of Y-adapter cables
- Manufacture of insert cables

PRODUCT ADVANTAGES:

- Very flexible due to the use of fine individual stranding
- Every conductor is insulated and individually shielded with copper spiral shielding
- Manual separation of the cable is easy
- Small jacket diameter, ensuring easy handling with jack cinch and jack connectors

FREE SAMPLE AVAILABLE!

TECHNICAL DATA	SC-ONYX-TYNEE	SC-ONYX 2008	SC-ONYX 2025
Construction:	LI2YDY2x0.22mm ²	LI2YDY2x0.08mm ²	LI2YDY2x0.25mm ²
Jacket, outer dimension:	PVC, 4,0 mm	PVC, 2,6 x 5.9 mm	PVC, 4,8 x 9.2 mm
Inner conductors:	2 x 0.22 mm ² (AWG24)	2 x 1 x 0.08 mm ² (AWG28)	2 x 1 x 0.25 mm ² (AWG24)
Copper strand per conductor:	7 x 0.20 mm	10 x 0.10 mm	32 x 0.10 mm
Conductor insulation:	PE	PE Lupolen	PE
Shielding:	Copper spiral shielding	Copper spiral shielding	Copper spiral shielding
Shielding factor:	90 %	90 %	90 %
Temperature range:	-20 °C...+70 °C	-20 °C...+70 °C	-25 °C...+70 °C
Fire load per m:	0.12 kWh	0.20 kWh	0.23 kWh
Weight per 1 m:	18 g	29 g	35 g
Packaging:	100 m roll	100 m roll	100 m roll

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	125 pF	< 200 pF	60 pF
Cond. resistance per 1 km:	<85 Ω	220 Ω	115 Ω
Insulation resist. per 1 km:	> 1 GΩ	min. 200 MΩ	> 1 GΩ

COLOR

- black, 1x0.22 mm²
- black, 2x0.08 mm²
- black, 2x0.25 mm²
- blue, 2x0.25 mm²

ORDER-NO.

- 300-0031**
- 320-0061**
- 320-0101**
- 320-0102**

INSTRUMENT CABLE

UNBALANCED, TWIN STRAND + CONTROL WIRE

SC-SINUS CONTROL

 STUDIO
  INSTALLATION
  HIFI

 ANALOG
  OFC

Your car will surely not run faster...

but good sound inside your car can compensate for some annoying car noises. But seriously: the **SC-SINUS CONTROL** enjoys almost cult status among HiFi-fans and car-HiFi-enthusiasts, because of the extreme low price you will receive a cable which is able to compete with expensive high-end cables. The **SC-SINUS CONTROL** already beautifies hundreds of thousands of HiFi-systems and car stereos, and especially for the later it is favored because of the perfect shielding (copper braiding + AL/PT-foil) this prevents any interference at high and low frequency ranges. Based on the generous insulation of a very dense skin PE the **SC-SINUS CONTROL** has a very low capacity and very good audio data. A control cable is directly included for the control of CD-players and other units. It can also be used as a phono ground wire.

mm 12.0x6.0	mm 12.0x6.0
Shielding 100%	Shielding 100%
mm ² 3x1x0.35	mm ² 3x1x0.35

APPLICATION:

- Instrument or phono cable for medium to high demands
- Unbalanced twin cable for high quality car-HiFi-systems

PRODUCT ADVANTAGES:

- Emphasis on bass and powerful transmission
- Double shielding, 100 % optically opaque
- Control wire included
- Very reasonably priced

FREE SAMPLE AVAILABLE!

TECHNICAL DATA	
Construction:	LI2Y(ST)CY2x0.35mm ² +1x0.35mm ²
Jacket, diameter:	PVC 12.0 x 6.0 mm
Inner conductors:	3 x 0.35 mm ² (AWG22)
Copper strand per conductor:	11 x 0.20 mm
Conductor insulation:	SkinPE 3.0 mm
Shielding:	Copper braiding + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.26 kWh
Weight per 1 m:	85 g
Packaging:	50 m / 100 m roll

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	75 pF
Cond. resistance per 1 km:	53 Ω
Insulation resist. per 1 km:	> 1 GΩ

- COLOR
- blue

- ORDER-NO.
- 320-0252**

INSTRUMENT CABLE

UNBALANCED, FINE STRANDS

TRICONE MKII



☒ STAGE
 ☒ MOBILE
 ☒ INSTALLATION
☒ ANALOG
 ☒ OFC

Three corners...

and our new jack connector **TRICONE®** has all three of them. It is exclusively manufactured by NEUTRIK of Switzerland for **SOMMER CABLE**. Now the ideal cable for this plug is also available.

The **TRICONE® MKII** is a flexible cable for guitar, keyboard, the live musician, studio keyboarder, and the home recorder. Based on the sound wire diameter of 0.22 mm² and the fine individual strands of 0.10 mm, it is protected against cable breaks and convinces with high bending cycles. It is very robust, easy to wind, and very reasonably priced.

When working with it care should be taken when removing the conductive shielding (black PVC-hose) from the insulation, so that it does not touch the inner conductor.

TRICONE® is a protected and registered trademark of **SOMMER CABLE GmbH**.

Ø mm
5.9

Shielding
100%

mm²
1x0.22

APPLICATION:

- Dependable cable for live application (guitar and keyboard)
- Reasonable line or patch cable for the home recorder

PRODUCT ADVANTAGES:

- Very robust due to the large conductor diameter and fine individual stranding
- Good electrical values due to the insulation made of skin PE
- 100 % Protected due to double shielding (copper spiral + conductive carbon shielding)
- High number of bending cycles

TECHNICAL DATA

Construction:	LI2Y(LS)DY1x0.22mm ²
Jacket, diameter:	PVC, 5.9 mm
Inner conductors:	1 x 0.22 mm ² (AWG24)
Copper strand per conductor:	28 x 0.10 mm
Conductor insulation:	Skin-PE 1.8 mm
Shielding:	Copper spiral shielding + semiconductor
Shielding factor:	100 %
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.26 kWh
Weight per 1 m:	42 g
Packaging:	100/500 m roll

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	< 85 pF
Cond. resistance per 1 km:	< 90 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

☒ black
☒ blue
☒ red
☒ green

ORDER-NO.

300-0021
300-0022
300-0023
300-0024

FREE SAMPLE
AVAILABLE!

GUITAR CABLE VINTAGE STYLE

UNBALANCED

SC-CLASSIQUE

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
☒ ANALOG
 ☒ OFC

Inseparable...

just as collectors of old guitar technology they can't get rid of anything. Now these Classic Freaks can buy just the right cable: The **SC-CLASSIQUE** looks old, but the technology is new and unused. The core is made up of an inside lead with a diameter of 0.5 mm², consisting of 28 individual fine copper litz, ensuring untainted musical pleasure across lengths of 20 m often considered a problem by spoiled musicians. The cable is rounded off by a thick insulation of foamed and lacquered PE and dense, tin-plated copper braiding. Eye-catching is the additional fabric coating giving the **SC-CLASSIQUE** the necessary vintage styling. And it also sounds like a cable from the sixties:

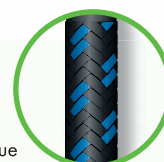
The **SC-CLASSIQUE** convinces with a lot of warmth, a solid sound, and heights as clear as glass.

Ø mm
7.0

Shielding
100%

mm²
1x0.50

black-blue



black-white



APPLICATION:

- High-end guitar and instrument cable with vintage sound and styling
- Unbalanced cable for stage and studio

PRODUCT ADVANTAGES:

- The warm and fat sound image of the "Sixties"
- Robust textile jacket in vintage styling
- Very low capacity and double shielding made of copper braiding + semiconductor
- Easily windable

TECHNICAL DATA

Construction:	LI2Y(LS)CY1x0.50mm ²
Jacket, diameter:	PVC + fabric 7.0 mm
Inner conductors:	1 x 0.50 mm ² (AWG21)
Copper strand per conductor:	28 x 0.15 mm
Conductor insulation:	Foam PE 2.2 mm
Shielding:	Copper spiral tin-plated + semiconductor
Shielding factor:	100 %
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.26 kWh
Weight per 1 m:	65 g
Packaging:	100 m roll

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	80 pF
Cond. resistance per 1 km:	40 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

☒ tweed-yellow
☒ black-white
☒ black-blue

ORDER-NO.

300-0107
300-0110
300-0112

FREE SAMPLE
AVAILABLE!

GUITAR CABLE HIGH-END

UNBALANCED, TWO-WAY SHIELDED

SC-SPIRIT / SC-SPIRIT XXL

STRONG
SPVC

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ANALOG OFC

Like a lasso...

the guitar players throw the cables around. That's why especially this cable has to have a very demanding and unique inner life.

Most musicians invest a lot of money in low cost cables, until they finally realise that the cables they just bought are barely good enough for shortwave radio reception or that it even ruins the entire sound image of a very expensive instrument. We have distanced ourselves from cheap products and offer a top quality cable at a fair price.

SC-SPIRIT has a thick insulation between wires and shielding. This improves the capacitive values and ensures loss-free high rendition, even with longer cables. To avoid crackling and hum interference we use a special conductive carbon shield and copper braided shield. When soldering make sure that the carbon shield and the inner conductor do not touch.

Your audience will be surprised at the sound of this cable!



APPLICATION:

- High quality guitar cable for studio and stage
- Unbalanced cable for keyboards, samplers, mixing boards, etc.
- Connection of stereo video recorder and DAT-recorder

PRODUCT ADVANTAGES:

- Enormously powerful and clear sound image for bass, guitar, and keyboard due to the special stranding and a wire diameter of 0.50 mm² or 0.75 mm²
- Double shielding due to the combination of copper braided shield and conductive carbon shielding
- Loss free transmission due to the low capacity
- Very flexible and easy to wind due to the use of fine individual stranding
- Durability and robustness due to a special high quality PVC-mixture for the jacket
- Strain relief and good protection against bending due to the thick PVC-jacket

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

	THE SPIRIT	THE SPIRIT XXL
Construction:	LI2Y(LS)CY 1x0.50mm²	LI2Y(LS)CY 1x0.75mm²
Jacket, diameter:	PVC, 7.0 mm	PVC, 6.8 mm
Inner conductors:	1 x 0.50 mm² (AWG21)	1 x 0.75 mm² (AWG19)
Copper strand per conductor:	28 x 0.15 mm	42 x 0.15 mm
Conductor insulation:	PE 2.4 mm	PE 3.18 mm
Shielding:	Copper spiral tin-plated + semiconductor	Copper spiral tin-plated + semiconductor
Shielding factor:	100 %	100 %
Temperature range:	-30 °C...+70 °C	-30 °C...+70 °C
Fire load per m:	0.26 kWh	0.26 kWh
Weight per 1 m:	66 g	66 g
Packaging:	100 m roll	100 m roll

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	78 pF	88 pF
Cond. resistance per 1 km:	38.2 Ω	25 Ω
Insulation resist. per 1 km:	> 1 GΩ	> 10 GΩ

COLOR

- black
- black, transp., XXL

ORDER-NO.

- 300-0051
- 300-0071

GUITAR / INSTRUMENT CABLE HIGH END

UNBALANCED, DOUBLE SHIELDING

GRINDYCOP BEAST

STRONG
SPVC

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ANALOG OFC

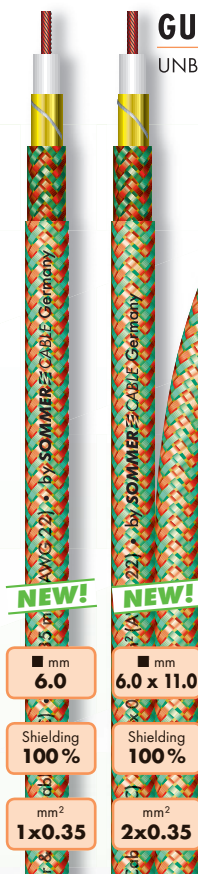
A simply spiffy cable...

is this year's sensation on the cable market.

This professional high end cable with the unique design is made of polished copper, the same as e.g. is used on industrial transformers. To further increase conductivity, the copper surface (OFC Class 6, purity level 99.9999%) receives a final polish and a conductor insulation made of a special, surface-finished electro-insulation lacquer. The jacket is made of an extremely robust, adhesion-free and UV-resistant PVC.

The sound advantages of this design are extremely fast transmission capabilities (ideal for attacks), convincing mid ranges, popping deep basses, and an analytical transmission. It is also available in the separable twin version **GRINDYCOP TWINBEAST** as a stereo instrument/keyboard cable. The **GRINDYCOP BEAST/TWINBEAST** can handle the low frequencies of analog machines as easily as the razor-sharp high ranges of virtual synthesizers.

Because of the special treatment required for further processing (acid bath for insulation removal) this cable is only available from selected distributors.



APPLICATION:

- High end reference guitar cable for studio and stage
- Unbalanced cable for keyboards, samplers, mixing boards, etc.

PRODUCT ADVANTAGES:

- Enormously fast, powerful, and clear sound image for bass, guitar, and keyboard due to the special polished finish and conductor smoothing of the copper (OFC Class 6)
- Double shielding due to a combination of copper spiral shield and conductive carbon shield
- Loss-free transmission due to low capacitive values
- Very robust and resistant when stepped on due to the special PVC-jacket and dense copper shielding

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Construction:	LI2Y(LS)CY...x0.35mm²	
Jacket, diameter:	PVC, 6.0 mm	PVC, 6.0 x 11.0 mm
Inner conductor:	1 x 0.35 mm² (AWG22)	2 x 0.35 mm² (AWG22)
Copper strand per donductor:	28 x 0.12 mm	28 x 0.12 mm
Conductor insulation:	Skin-PE 3.20 mm	PE 3.20 mm
Shielding:	Copper braiding tin-plated + semiconductor	
Shielding factor:	100 %	100 %
Temperature range:	-30 °C...+70 °C	-30 °C...+70 °C
Fire load per m:	0.26 kWh	0.49 kWh
Weight per 1 m:	62 g	104 g
Packaging:	100 m roll	100 m roll

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	88 pF	102 pF
Cond. resistance per 1 km:	25 Ω	25 Ω
Insulation resistance per 1 km:	> 10 GΩ	> 10 GΩ

COLOR

- transparent, red/green, simple
- transparent, red/green, twin cable

ORDER-NO.

- 300-0159
- 300-0259

MULTIPAIR AUDIO

BALANCED, PAIRS IN FOIL JACKET + OVERALL FOIL SHIELDING

SC-PLANET

STRONG
SPVC

X-TORSION

STAGE
 MOBILE
 STUDIO
 INSTALLATION

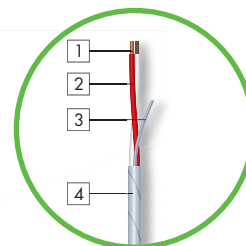
ANALOG
 OFC

Naked and crackling...

That will get the imagination going. The "naked" cable has its advantages, because it is slimmer and more adaptable. But it should not "crackle", because we enjoy the movement more without the interference of the "crackling noises" which often arise when other multicore cables are bent. To minimize the diameter we left the insulating jacket off the wire pairs. So all that is left is the foil shielding on the wire pairs. Not only the tiny diameter is an advantage, but also the price. The technicians will also like this cable, because we put great emphasis on good workmanship during development of the **SC-PLANET FMC**. The compound foil on the wires does not come apart when the shrink tube is pulled on, but can be cut and worked with easily. The entire cable was fitted with a solid and easily removable AL/PT-foil and a pre-twisted drain wire. The entire foil shielding remains on the inside of the jacket during stripping. The conductors are color-coded. Due to the low capacity it is ideal for long distances (e.g. for cable drums).

Starting now we will supply the **FMC**-version with two additional channels at the same price! On your multipair these can be used as safety channels (simply connect to the ground of the MP-connector).

- 1 strand constr. 24 x 0.10 mm
- 2 wire pair 2 x 0.19 mm² color-coded wire insulation
- 3 filler strand, tin-plated
- 4 inner conductive AL/PT-foil outer diameter 2.3 mm



+ 2 add. channels!



Section

Shielding
100%mm²
x2x0.19

APPLICATION:

- Reasonable cable for the construction of stage box systems and multipin-multipair systems
- Dependable cable for permanent installation in installation technologies

PRODUCT ADVANTAGES:

- Compact diameter
- Excellent to work with due to the use of a special AL/PT-foil
- Flexible due to the special wire construction
- Good shielding due to the overall and individual wire pair shielding
- Very good pricing

Chan.	+	-	Chan.	+	-	Chan.	+	-	Chan.	+	-
1	sw	rt	13	rt	or	25	bl	or	37	vi	ws
2	sw	ws	14	gn	ws	26	br	ge	38	vi	rt
3	sw	gn	15	gn	bl	27	br	or	39	vi	gn
4	sw	bl	16	gn	ge	28	gr	sw	40	vi	bl
5	sw	ge	17	gn	br	29	gr	ws	41	vi	ge
6	sw	br	18	gn	or	30	gr	rt	42	vi	br
7	sw	or	19	ws	bl	31	gr	gn	43	vi	or
8	rt	ws	20	ws	ge	32	gr	bl	44	rs	sw
9	rt	gn	21	ws	br	33	gr	ge	45	rs	ws
10	rt	bl	22	ws	or	34	gr	br	46	rs	gn
11	rt	ge	23	bl	ge	35	gr	or	47	rs	ge
12	rt	br	24	bl	br	36	vi	sw	48	rs	br

black = sw white = ws pink = rs orange = or
 red = rt green = gn yellow = ge grey = gr
 blue = bl brown = br violett = vi

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Construction:	[xx(2LI2Y0.19mm ²)](ST)]F(ST)Y
Jacket:	S-PVC
AWG:	AWG24
Conductor insulation:	PE 1.22 mm
Shielding:	AL/PT-foil + filler strand, tin-plated + total shielding
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Jacket color:	■ black, matt
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF
Capac. cond./shield. per 1 m:	130 pF
Cond. resistance per 1 km:	< 80 Ω
Shield. resistance per 1 km:	75 Ω
Insulation resist. per 1 km:	> 1 G Ω

TYPE	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER-NO.
FMC02	7.0 mm	2 x 2 x 0.19 mm ²	24 x 0.10 mm	0.10 kWh/m	40 g/m	100-0051-02
FMC04	9.0 mm	4 x 2 x 0.19 mm ²	24 x 0.10 mm	0.20 kWh/m	62 g/m	100-0051-04
FMC08+2	12.0 mm	10 x 2 x 0.19 mm ²	24 x 0.10 mm	0.62 kWh/m	180 g/m	100-0051-08+2
FMC12+2	12.5 mm	14 x 2 x 0.19 mm ²	24 x 0.10 mm	0.70 kWh/m	200 g/m	100-0051-12+2
FMC16+2	15.5 mm	18 x 2 x 0.19 mm ²	24 x 0.10 mm	0.80 kWh/m	270 g/m	100-0051-16+2
FMC20	16.5 mm	20 x 2 x 0.19 mm ²	24 x 0.10 mm	0.96 kWh/m	305 g/m	100-0051-20
FMC24+2	18.0 mm	26 x 2 x 0.19 mm ²	24 x 0.10 mm	1.06 kWh/m	340 g/m	100-0051-24+2
FMC34+2	19.2 mm	36 x 2 x 0.19 mm ²	24 x 0.10 mm	1.25 kWh/m	490 g/m	100-0051-34+2
FMC40+2	20.5 mm	42 x 2 x 0.19 mm ²	24 x 0.10 mm	1.60 kWh/m	on request	100-0051-40+2
FMC48+2	22.0 mm	50 x 2 x 0.19 mm ²	24 x 0.10 mm	1.85 kWh/m	620 g/m	100-0051-48+2

MULTIPAIR STAGE, STUDIO & INSTALLATION

AUDIO [AES/EBU]

BALANCED, WIRE PAIRS INSULATED AND WITH COPPER SPIRAL SHIELDING

SC-QUANTUM HIGHFLEX



☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION

☒ ANALOG
 ☒ DIGITAL
 ☒ OFC

The sky is the limit...

for the **SC-QUANTUM HIGHFLEX**, because it is exactly the cable all "bending radius fetishists", such as live technicians, musicians, and ambitious live sound people have been dreaming of!

The **SC-QUANTUM HIGHFLEX** is absolutely torsion-free, i.e. it can be wound in the shape of an "8" without any problems and will not twist when it is wound or unwound.

Not only the S-PVC-jacket, resistant to a temperature of -30 °C and notch-resistant, feels soft but the inside as well, and is also break-resistant due to the super fine 0.07 mm (!) individual copper litz and the PE-insulated wire insulation.

The electrical and mechanical data also is remarkable: each wire pair is additionally insulated with a sleeve, numbered, and shielded with a copper spiral covered to 99 %. Get a taste of this: The **SC-QUANTUM HIGHFLEX** stands out with a low capacity of 45 pF wire/wire and remains 110 Ω (AES/EBU) conform for hundreds of meters!

The wire pair diameter is perfectly suitable for direct installation (e.g. a XLR-connector). The inside is protected against adverse influences by a highly flexible PVC-jacket with a wall thickness of almost 2 mm.

There never has been a cable with the same electrical and mechanical values at such a low price!

Multipair cable incl. load - see DMX-multicore **SC-MONOLITH POWER DMX**

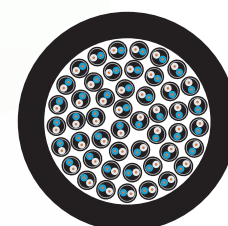
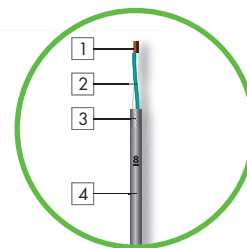
APPLICATION:

- Professional stage and live multicore for separate or central grounding
- Creation of highly flexible analog and digital studio looms
- Fixed installation

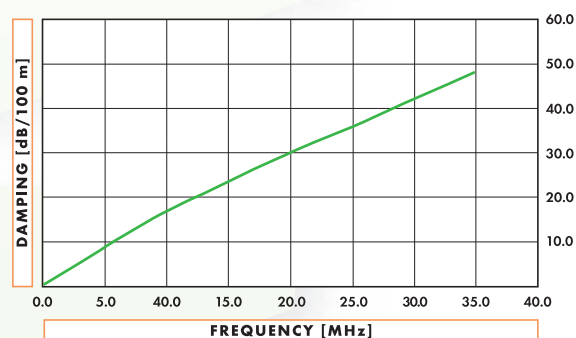
PRODUCT ADVANTAGES:

- Each wire pair is individually insulated and shielded by a copper spiral (99 % optically opaque)
- Very low capacity of 45 pF wire/wire
- Highly flexible and windable without twisting
- AES/EBU (110 Ω) conform
- Very reasonable price

- 1 strand construction 28 x 0.07 mm
- 2 wire pairs 2 x 0.14 mm² (AWG26)
- 3 copper spiral shielding
- 4 numbered wire insulation outer diameter 3.3 mm



Section



FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	[xx(2LI2Y0.14mm ²)DY]Y
Jacket:	S-PVC
AWG:	AWG26
Conductor insulation:	Skin PE
Shielding:	Copper spiral in pairs
Shielding factor:	99 %
Temperature range:	-30 °C...+70 °C
Jacket color:	■ black, matt
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	45 pF
Capac. cond./shield. per 1 m:	90 pF
Cond. resistance per 1 km:	< 90 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	110 Ω

TYPE	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER-NO.
QMC02	8.5 mm	2 x 2 x 0.14 mm ²	36 x 0.07 mm	0.26 kWh/m	65 g/m	100-0451-02
QMC04	10.2 mm	4 x 2 x 0.14 mm ²	36 x 0.07 mm	0.41 kWh/m	108 g/m	100-0451-04
QMC08	13.8 mm	8 x 2 x 0.14 mm ²	36 x 0.07 mm	0.55 kWh/m	170 g/m	100-0451-08
QMC10	14.6 mm	10 x 2 x 0.14 mm ²	36 x 0.07 mm	0.81 kWh/m	230 g/m	100-0451-10
QMC12	16.0 mm	12 x 2 x 0.14 mm ²	36 x 0.07 mm	0.83 kWh/m	255 g/m	100-0451-12
QMC16	17.5 mm	16 x 2 x 0.14 mm ²	36 x 0.07 mm	1.04 kWh/m	325 g/m	100-0451-16
QMC20	19.5 mm	20 x 2 x 0.14 mm ²	36 x 0.07 mm	1.31 kWh/m	410 g/m	100-0451-20
QMC24	21.5 mm	24 x 2 x 0.14 mm ²	36 x 0.07 mm	1.50 kWh/m	480 g/m	100-0451-24
QMC32	24.0 mm	32 x 2 x 0.14 mm ²	36 x 0.07 mm	1.92 kWh/m	630 g/m	100-0451-32
QMC40	27.5 mm	40 x 2 x 0.14 mm ²	36 x 0.07 mm	2.28 kWh/m	800 g/m	100-0451-40
QMC48	29.0 mm	48 x 2 x 0.14 mm ²	36 x 0.07 mm	2.94 kWh/m	950 g/m	100-0451-48

MULTIPAIR STUDIO, INSTALLATION

AUDIO [AES/EBU]

BALANCED, INSULATED IN PAIRS + OVERALL FOIL SHIELDING

SC-MISTRAL



MOBILE STUDIO INSTALLATION
ANALOG DIGITAL OFC

Already a Methuselah...

that's the multipair **SC-MISTRAL MCF**. We have been constructing it for almost 10 years using the same technique. The **SC-MISTRAL MCF** offers the PVC-insulation in pairs, common for studiocores. A wear-resistant number imprint is applied, as well as additional color-coding in steps of 8.

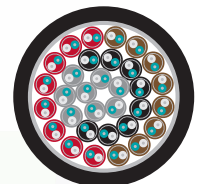
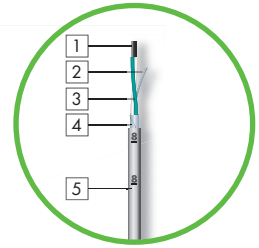
The wire pairs of the **SC-MISTRAL MCF** have a pre-twisted drain wire and additional shielding made of AL/PT-foil. For additional protection against corrosion and oxidation both wired and the drain wire are tin-plated.

This makes the cable easy to work with because the AL/PT-foil adheres to the outer jacket during stripping. The **SC-MISTRAL MCF** can be installed very easily and is easy to wind. We also recommend it for work with multicore adapters. Here the XLR- and jack connectors can be installed directly on the PVC-jacket. To keep the diameter small we equipped the **MCF40** with 0.18 mm² wires.

- 1 strand construction 7 x 0.20 mm or 24 x 0.10 mm, tin-plated
- 2 filler strand
- 3 wire pair 2 x 0.22 mm² (AWG24) or 2 x 0.18 mm² (AWG25)
- 4 conductive AL/PT-foil
- 5 numbered and color-coded wire insulation outer diameter 3.2 mm

COLOR

grey	wire pair	1 - 8
black	wire pair	9 - 16
brown	wire pair	17 - 24
red	wire pair	25 - 32
white	wire pair	32 - 40



Section

AES/EBU 110 Ω
CONFORM!

APPLICATION:

- Ideal for studio installation and as a stage multipair
- Fixed installation in theatres, public buildings, etc.
- Construction of dependable speaker box systems

PRODUCT ADVANTAGES:

- Additional insulation for each conductor pair with a numbered and color-coded PVC-jacket
- Very flexible and treadable through the use of the rubberlike jacket material
- Simple and fast to work with through the use of compound foil and a pre-twisted filler strand
- High bending cycles due to tight copper stranding
- Returns on the cable splice can be easily recognized due to color coding on the conductor pairs
- High transmission quality even for longer lengths (low capacity!)
- Very reasonably priced

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Construction:	[xx(2Li2Y0.22mm ²)](ST)Y]F(ST)Y
Jacket:	S-PVC
AWG:	AWG24/7
Conductor insulation:	Skin PE 1.6 mm
Shielding:	AL/PT-foil + total foil shielding
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Jacket color:	■ black matt ■ green (PP-version)
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	46 pF	Damping per 100 m:	1 MHz:	4.7 dB
Capac. cond./shield. per 1 m:	130 pF		5 MHz:	12.3 dB
Cond. resistance per 1 km:	< 80 Ω		10 MHz:	16.5 dB
Shield. resistance per 1 km:	75 Ω		15 MHz:	20.4 dB
Insulation resist. per 1 km:	> 1 GΩ		20 MHz:	23.8 dB
Surge impedance:	110 Ω		25 MHz:	27.3 dB
			30 MHz:	30.7 dB
			35 MHz:	36.1 dB
			40 MHz:	41.5 dB
			45 MHz:	46.1 dB
			50 MHz:	51.5 dB

TYPE	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER-NO.
MCF02	9.6 mm	2 x 2 x 0.22 mm ²	7 x 0.20 mm	0.25 kWh/m	100 g/m	100-0101-02
MCF04	11.3 mm	4 x 2 x 0.22 mm ²	7 x 0.20 mm	0.36 kWh/m	105 g/m	100-0101-04
MCF08	14.8 mm	8 x 2 x 0.22 mm ²	7 x 0.20 mm	0.60 kWh/m	196 g/m	100-0101-08
MCF12	17.9 mm	12 x 2 x 0.22 mm ²	7 x 0.20 mm	0.89 kWh/m	257 g/m	100-0101-12
MCF16	20.1 mm	16 x 2 x 0.22 mm ²	7 x 0.20 mm	1.04 kWh/m	348 g/m	100-0101-16
MCF20	22.3 mm	20 x 2 x 0.22 mm ²	7 x 0.20 mm	1.50 kWh/m	444 g/m	100-0101-20
MCF24	24.9 mm	24 x 2 x 0.22 mm ²	7 x 0.20 mm	1.86 kWh/m	537 g/m	100-0101-24
MCF32	28.8 mm	32 x 2 x 0.22 mm ²	7 x 0.20 mm	1.82 kWh/m	658 g/m	100-0101-32
MCF40	32.3 mm	40 x 2 x 0.18 mm ²	24 x 0.10 mm	2.64 kWh/m	793 g/m	100-0101-40
MCF02PP	8.0 mm	NEW! 2 x 2 x 0.22 mm ²	7 x 0.20 mm	0.28 kWh/m	100 g/m	100-0114-02

MULTIPAIR STAGE + OB VAN

PUR, BALANCED, COPPER INSULATED IN PAIRS + COPPER BRAIDED SHIELDING

SC-TRANSFER HIGHFLEX

STAGE
 MOBILE
 STUDIO
 INSTALLATION

ANALOG PUR OFC



5 Years on probation...

That is what all sound technicians, broadcasters, and TV-personnel have been waiting for! Together with leading sound companies and different broadcast stations our technicians have developed a new multipair cable for tough application in outdoor areas.

Starting now the new **SC-TRANSFER HIGHFLEX** Multipair is in stock with the PUR-jacket "MASTER BLEND".

This jacket is so notch-resistant and robust that we are able to grant you a 5 Year Warranty on bulk cables!

To keep it that way in the winter, we have worked with a high quality and robust, PUR-jacket (PMB), resistant to the cold. This guarantees temperature stability of up to -40 °C, and it also is very resistant to the heat (+80 °C) and notch-resistant. The PUR-jacket and the wire insulation made of special TPE-Hytrel® is made for extreme applications, i.e. bending, dragging on the ground, and even strong tugging cannot harm this cable.

Of course, this cable can also be used as a high quality stage or installation cable.

Multipair cable incl. load – see DMX-multicore **SC-MONOLITH POWER DMX**.

FRNC HALOGEN-FREE

10-pair version, halogen-free and flame-retardent.

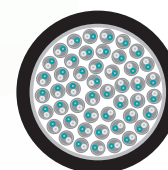
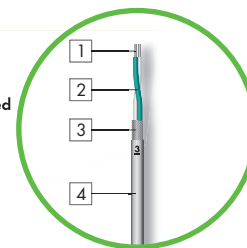
APPLICATION:

- Windable cable for radio and OB Van
- Fixed installation indoors and outdoors
- Extreme robust stage cable for high quality stage box systems
- Ideal as a studio cable due to the high protection against interference

PRODUCT ADVANTAGES:

- Super small in diameter and very robust
- Additional insulation of the pairs with a numbered PVC-jacket
- Excellent protection against interference due to the dense overall shielding made of tin-plated copper braiding and the copper spiral shielding around the pairs
- Very good audio transmission due to the tight copper stranding

- 1 strand constr. 18 x 0.10 mm, tin-plated
- 2 10 x 2 x 0.14 mm² (AWG26)
- 3 copper spiral shielding
- 4 numbered conductor insulation outer diameter 2.4 mm



Section



→ We use a PUR-jacket of the highest quality. This jacket is not only resistant to cold but also to warm temperatures and absolutely adhesion-free (resistant to dirt).

FREE SAMPLE AVAILABLE!

Shielding
92 %

mm²
x2x0.14

TECHNICAL DATA

Construction:	[xx(2LI2Y0.14mm ²)DY]CY PUR
Jacket:	PUR, Master Blend
AWG:	AWG26
Conductor insulation:	TPE-Hytrel® 0.85 mm
Shielding:	copper spiral in pairs, overall shielding copper braiding, tined
Shielding factor:	92 %
Temperature range:	-40 °C...+80 °C (according to ISO458)
Jacket color:	■ black
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	85 pF
Capac. cond./shield. per 1 m:	140 pF
Cond. resistance per 1 km:	< 138 Ω
Shield. resistance per 1 km:	< 125 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	75 Ω

TYPE	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER-NO.
AMCK08	9.6 mm	8 x 2 x 0.14 mm ²	18 x 0.10 mm	0.40 kWh/m	160 g/m	100-0401-08
AMCK10	10.8 mm	10 x 2 x 0.14 mm ²	18 x 0.10 mm	0.45 kWh/m	174 g/m	100-0401-10F
AMCK12	11.2 mm	12 x 2 x 0.14 mm ²	18 x 0.10 mm	0.50 kWh/m	180 g/m	100-0401-12
AMCK16	14.4 mm	16 x 2 x 0.14 mm ²	18 x 0.10 mm	0.78 kWh/m	274 g/m	100-0401-16
AMCK24	15.0 mm	24 x 2 x 0.14 mm ²	18 x 0.10 mm	0.91 kWh/m	333 g/m	100-0401-24
AMCK32	17.5 mm	32 x 2 x 0.14 mm ²	18 x 0.10 mm	1.12 kWh/m	446 g/m	100-0401-32
AMCK40	19.5 mm	40 x 2 x 0.14 mm ²	18 x 0.10 mm	1.50 kWh/m	543 g/m	100-0401-40
AMCK48	24.5 mm	48 x 2 x 0.14 mm ²	18 x 0.10 mm	1.65 kWh/m	665 g/m	100-0401-48

MULTIPAIR STUDIO HIGH END AUDIO

[AES/EBU]

CROSSOVER BALANCED (... x 4 x 0.20 mm²), SHIELDED IN PAIRS AND COPPER TOTAL SHIELDING

SC-PEGASUS



X STAGE X MOBILE X STUDIO X INSTALLATION X HIFI
 ANALOG DIGITAL OFC

Reaching for the stars...

This is what we did with this cable and created a high end multipair, most likely the best available on the market today.

It is a multipair for the ambitious studio professional, with no need to compromise on linearity and shielding. For optimised sound the two opposite wires ("crossover") are paired. So we attained an incredibly low capacitive value of approx. 37 pF wire/wire, and thus almost loss-free transmission across long distances. When connected crosswise the **SC-PEGASUS** is even digitally suitable! (AES/EBU 110 Ω) The dense stranding technique, adapted for linearity, and the fine oxygen-free copper strands with a diameter of 0.05 mm guarantee a homogenous, true sound image, high bending cycles, and durability.

The **SC-PEGASUS** offers shielding far beyond the demands normally placed on a high end multipair. It was equipped with overall shielding and shielding per channel, each 100 % optically opaque. The overall shielding is made of a copper cross-braiding and the shielding per channel of a copper spiral with an additional conductive AL-foil. Thus, the **SC-PEGASUS** is not only protected against external interference, but the wire pairs are also separated perfectly and shielded from each other.

With the **SC-PEGASUS** you are purchasing the state-of-the-art on the cable market for years to come, and you can be sure that from now on you will only have to take care of your music and your mix.

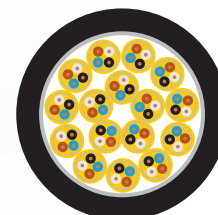
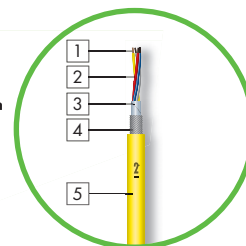
APPLICATION:

- An absolute standard for the studio setting
- High quality fixed installation
- Construction of high end stage box systems

PRODUCT ADVANTAGES:

- Homogenous and linear sound image
- Loss-free transmission and perfect shielding
- Absolute best values regarding technical and electrical data
- Digitally suitable (for crossover connection!)

- 1 strand construction 102 x 0.05 mm
- 2 wire pair 4 x 0.20 mm² (AWG24)
- 3 conductive AL/PT-foil
- 4 copper spiral shielding
- 5 numbered wire insulation outer diameter 4.7 mm



Section

→ We were very surprised at the high capacity of the crossover multipairs made by other manufacturers, and that crossover connections did not produce the values expected from a studio multicore. Even a value of 70 pF (wire/wire) achieved through crossover is not as good as that of a reasonably priced SOMMER CABLE audio multicore (standard 65 pF wire/wire for SC-Planet FMC, SC-Quantum Highflex, SC-Mistral, etc.). This, of course, gave us the idea to "cross" our cable, and there you are!



FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	[xx{4LI2Y0.20mm ² }(ST)DY]CY
Jacket:	S-PVC
AWG:	AWG24
Conductor insulation:	PP
Shielding:	copper braiding tin-plated (overall) and copper spiral tin-plated + AL/PT-foil (wire pair)
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Jacket color:	■ black
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	37 pF (Crossover)
Capac. cond./shield. per 1 m:	76 pF (Crossover)
Cond. resistance per 1 km:	< 100 Ω
Insulation resist. per 1 km:	1 GΩ
Damping per 100 m:	1 MHz: 3.2 dB 10 MHz: 8.9 dB 25 MHz: 14.6 dB 50 MHz: 20.0 dB 75 MHz: 24.3 dB 100 MHz: 28.3 dB
Surge impedance:	110 - 120 Ω (Crossover)

TYPE	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER-NO.
CMCK02	13.5 mm	2 x 4 x 0.20 mm ²	102 x 0.05 mm	0.72 kWh/m	194 g/m	100-0501-02
CMCK04	16.0 mm	4 x 4 x 0.20 mm ²	102 x 0.05 mm	1.15 kWh/m	295 g/m	100-0501-04
CMCK08	21.0 mm	8 x 4 x 0.20 mm ²	102 x 0.05 mm	1.93 kWh/m	538 g/m	100-0501-08
CMCK12	25.5 mm	12 x 4 x 0.20 mm ²	102 x 0.05 mm	2.64 kWh/m	744 g/m	100-0501-12
CMCK16	28.0 mm	16 x 4 x 0.20 mm ²	102 x 0.05 mm	3.24 kWh/m	900 g/m	100-0501-16

COMPACT-MULTIPAIR

AUDIO [AES/EBU]

BALANCED, SHIELDED IN PAIRS, AND INSULATED + COPPER BRAIDED SHIELDING

SC-AURA DMCK

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION

ANALOG DIGITAL FRNC OFC

Siemens will be delighted...

to discover that finally the correct cable for their multipin connector is available! With a diameter of only 12.9 mm the **SC-AURA DMCK10** is perfectly suitable for the SIEMENS type male, and of course for other multipin connectors.

Not only the small diameter is special, but also the consistent surge impedance of 110 Ω, never exceeding 3 % (speaking frankly, there are cables on the market with a tolerance of up to 20 %...).

We are able to achieve the consistent surge impedance by leaving off the filler strand, which really "knocks out" the surge impedance. We have replaced it with a dense and highly stranded spiral made of oxygen-free copper. The entire wire pair is shielded with color-coded insulation.

So, the **SC-AURA DMCK10** is not only robust, but also perfectly protected against interference.

Now also available in an 8- and 10-pair FRNC-installation-version.

THE SPECIAL CABLE FOR THE SIEMENS TYPE MALE!

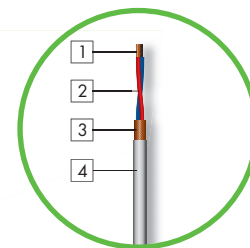
APPLICATION:

- Mobile application (PVC) and permanent installation (FRNC)
- Transmission of digital signals in the studio setting
- Flexible stage multipair (stage speakers, looms, etc.)

PRODUCT ADVANTAGES:

- Small diameter of 12.9 mm, thus ideal for premade cabling on the 30-pin SIEMENS type male and Sub-D plug connectors
- Very flexible due to the tight stranding technology and smooth PVC-jacket
- Great durability due to the use of oxygen-free copper and individually insulated wire pairs
- Due to the smart construction it is guaranteed to maintain a surge impedance of 110 Ω
- Due to the low damping values it is ideal as an AUDIO-multipair

- 1 strand construction 19 x 0.12 mm
- 2 color-coded wire pair 2 x 0.15 mm² (AWG26)
- 3 copper spiral shielding
- 4 color-coded wire insulation outer diameter 3.1 mm



Section

Color code accord. to ARD-Functional Specifications

channel	+	-
CH1	red	blue
CH2	white	brown
CH3	white	green
CH4	white	yellow
CH5	white	grey
CH6	white	pink
CH7	white	blue
CH8	white	red
CH9	white	black
CH10	white	violet

FREE SAMPLE AVAILABLE!

Shielding
90 %

mm²
x2x0.15

TECHNICAL DATA

Construction:	[x(2LI2Y0.15mm ²)DY]CY
Jacket:	PVC or FRNC
AWG:	AWG26
Conductor insulation:	PE 1.10 mm
Shielding:	copper spiral + overall shielding out of copper braiding
Shielding factor:	90 %
Temperature range:	-20 °C...+70 °C
Jacket color:	■ grey
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	55 pF
Capac. cond./shield. per 1 m:	160 pF
Cond. resistance per 1 km:	<130 Ω
Shield. resistance per 1 km:	<125 Ω
Insulation resist. per 1 km:	>1 GΩ
Surge impedance:	110 Ω

TYPE	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER-NO.
DMCK08 FRNC NEW!	10.8 mm	8 x 2 x 0.15 mm ²	19 x 0.10 mm	0.80 kWh/m	220 g/m	100-0356-08F
DMCK10 PVC	12.9 mm	10 x 2 x 0.15 mm ²	19 x 0.10 mm	0.90 kWh/m	285 g/m	100-0356-10
DMCK10 FRNC NEW!	12.9 mm	10 x 2 x 0.15 mm ²	19 x 0.10 mm	0.90 kWh/m	300 g/m	100-0356-10F

MULTIPAIR MODULATION CABLE, FRNC AUDIO [AES/EBU]

BALANCED, HALOGEN FREE + FLAME RESISTENT, COPPER SPIRAL SHIELDING + COPPER TOTAL SHIELDING

SC-MATRIX

X INSTALLATION X ELA

ANALOG DIGITAL FRNC HALOGEN-FREE TERRA OFC

Flames are fascinating...

to stare into, but they must be under control at all times.

The flames are tamed, the fire extinguished, no sign of hazardous gases. This is ensured by a special jacket and a special interior design. Manufactured according to FRNC-guidelines for halogen-free and flame retardant cables. It's obligatory for all installations in public buildings.

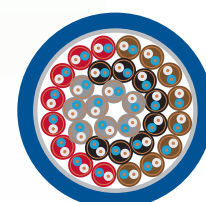
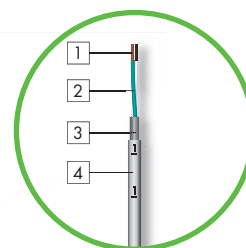
The **SC-MATRIX** is a digital multipair or modulation cable; because of the large wire diameter of 0.25 mm² it is also suitable for installation across distances of more than 130 meters. Due to the paired spiral shielding made of braided copper the **SC-MATRIX** has excellent protection against interference.

This cable is not suitable for mobile application!

- 1 strand construction 32 x 0.10 mm, tin-plated
- 2 wire pair 2 x 0.25 mm² (AWG24)
- 3 copper spiral
- 4 numbered and color-coded wire insulation outer diameter 3.8 mm

COLOR

grey	wire pair	1 - 8
black	wire pair	9 - 16
brown	wire pair	17 - 24
red	wire pair	25 - 32



Section

SUITABLE FOR GROUND INSTALLATION!

ALSO SUITABLE AS A HIGH QUALITY AUDIO MULTIPAIR!

APPLICATION:

- Application as an audio, modulation, and AES/EBU-cable
- Permanent installation in public buildings, such as schools, theatres, and discos
- Installation in broadcast studios for the connection of sound systems
- Ground installation

PRODUCT ADVANTAGES:

- Halogen-free and flame retardant according to IEC 332, Test Type C
- In stock in more than 9 different lengths
- Suitable for long distances due to the large wire diameter of 0.25 mm²
- Digitally suitable due to the 110 Ω surge impedance
- Numbered and color-coded wire pairs for better identification

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	[xx(2LI2Y0.25mm ²)DH]CH
Jacket:	HM2 (FRNC Test type C)
AWG:	AWG24
Conductor insulation:	PE, Skin
Shielding:	Copper spiral + copper braiding overall shielding
Shielding factor:	Copper spiral: 95 %, Copper braiding: 90 %
Temperature range:	-40 °C...+85 °C
Jacket color:	■ dark blue
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	60 pF
Capac. cond./shield. per 1 m:	120 pF
Cond. resistance per 1 km:	< 90 Ω
Insulation resist. per 1 km:	> 1 G Ω
Surge impedance at 1.0 Mhz:	110 Ω
Damping per 100 m:	1 MHz: 1,74 dB
	5 MHz: 7,00 dB
	10 MHz: 11,30 dB
	20 MHz: 17,80 dB
	40 MHz: 29,10 dB
	60 MHz: 39,10 dB
	80 MHz: 48,30 dB
	100 MHz: 56,90 dB

TYPE	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER-NO.
MMC02	9.5 mm	2 x 2 x 0.25 mm ²	32 x 0.10 mm	0.22 kWh/m	128 g/m	100-0302-02
MMC03	10.0 mm	3 x 2 x 0.25 mm ²	32 x 0.10 mm	0.28 kWh/m	159 g/m	100-0302-03
MMC04	11.3 mm	4 x 2 x 0.25 mm ²	32 x 0.10 mm	0.32 kWh/m	176 g/m	100-0302-04
MMC06	13.8 mm	6 x 2 x 0.25 mm ²	32 x 0.10 mm	0.42 kWh/m	255 g/m	100-0302-06
MMC08	15.5 mm	8 x 2 x 0.25 mm ²	32 x 0.10 mm	0.51 kWh/m	332 g/m	100-0302-08
MMC12	19.0 mm	12 x 2 x 0.25 mm ²	32 x 0.10 mm	0.76 kWh/m	452 g/m	100-0302-12
MMC16	20.5 mm	16 x 2 x 0.25 mm ²	32 x 0.10 mm	0.90 kWh/m	570 g/m	100-0302-16
MMC24	23.5 mm	24 x 2 x 0.25 mm ²	32 x 0.10 mm	1.61 kWh/m	615 g/m	100-0302-24
MMC32	26.0 mm	32 x 2 x 0.25 mm ²	32 x 0.10 mm	2.62 kWh/m	752 g/m	100-0302-32

MULTIPAIR MODULATION CABLE, FIXED INSTALLATION, FRNC

AUDIO [AES/EBU]

BALANCED, PIMF, SOLID WIRE, HALOGEN FREE + FLAME RESISTANT

SC-LOGIC

X INSTALLATION X ELA

ANALOG DIGITAL FRNC HALOGEN-FREE OFC

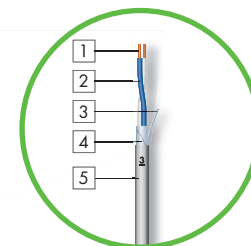
A little stiffer it may well be...

but just as reasonably priced. That is exactly what is expected of a modulation cable made of solid wiring. Based on the simple construction the **SC-LOGIC** won't cost a lot, but will fulfill all important criteria required for fixed installation: The multipair cable **SC-LOGIC** guarantees incredibly good electrical data (capacity wire/wire 45 pF/m), excellent overall shielding (copper braiding + aluminum foil), a halogen-free and flame-retardant sleeve in conformance with the highest fire protection class (FRNC-IEC60332.3, Test Type C), and individually insulated and numbered wire pairs.

The advantage of a solid wire cable is that very good damping values and a low capacity may be achieved with relatively simple means, which is very important for the long running distance of these cables.

Please observe that these types of cables are not suitable for mobile application.

- 1 construction 1 x 0.56 mm
- 2 wire pair 2 x 0.56 mm (AWG23)
- 3 filler strand (AWG26)
- 4 conductive AL/PT-foil
- 5 numbered wire insulation outer diameter 3.7 mm



APPLICATION:

- Fixed installation in building technology
- Transmission of AES/EBU standards in broadcasting

PRODUCT ADVANTAGES:

- Available and in stock in a 1- to 32-wire version
- Very reasonably priced
- For simultaneous transmission of high quality analog data and data in an AES/EBU format (110 Ω)
- Conforms to the highest Fire Protection Class FRNC, accord. to IEC60332.3, Test Type C
- Very easy to work with

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	[xx(J-02YS0,57mm)(ST)]CH
Jacket:	HM2 (FRNC Test type C)
AWG:	AWG23/1
Conductor insulation:	Foam PE 1,5 mm
Shielding:	Copper braiding 85 % + AL-foil (total) and filler strand AWG26 (0,4 mm) + AL-foil (wire pairs)
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C (Fixed installation)
Jacket color:	■ grey RAL 7001
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	45 pF
Capac. cond./shield. per 1 m:	86 pF
Cond. resistance per 1 km:	< 165 Ω
Insulation resist. per 1 km:	2 GΩ
Surge impedance:	110 Ω +/- 5 %

TYPE	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER-NO.
MODF01	3.6 mm	1 x 2 x 0.57 mm	1 x 0.57 mm	0.05 kWh/m	18 g/m	100-1156-01
MODF02	9.1 mm	2 x 2 x 0.57 mm	1 x 0.57 mm	0.25 kWh/m	105 g/m	100-1156-02
MODF03	9.3 mm	3 x 2 x 0.57 mm	1 x 0.57 mm	0.28 kWh/m	112 g/m	100-1156-03
MODF04	11.3 mm	4 x 2 x 0.57 mm	1 x 0.57 mm	0.40 kWh/m	170 g/m	100-1156-04
MODF05	11.9 mm	5 x 2 x 0.57 mm	1 x 0.57 mm	0.44 kWh/m	191 g/m	100-1156-05
MODF06	12.7 mm	6 x 2 x 0.57 mm	1 x 0.57 mm	0.49 kWh/m	207 g/m	100-1156-06
MODF08	14.2 mm	8 x 2 x 0.57 mm	1 x 0.57 mm	0.55 kWh/m	275 g/m	100-1156-08
MODF10	15.5 mm	10 x 2 x 0.57 mm	1 x 0.57 mm	0.65 kWh/m	318 g/m	100-1156-10
MODF12	17.4 mm	12 x 2 x 0.57 mm	1 x 0.57 mm	0.92 kWh/m	387 g/m	100-1156-12
MODF16	20.8 mm	16 x 2 x 0.57 mm	1 x 0.57 mm	1.30 kWh/m	530 g/m	100-1156-16
MODF20	22.6 mm	20 x 2 x 0.57 mm	1 x 0.57 mm	1.45 kWh/m	580 g/m	100-1156-20
MODF24	23.6 mm	24 x 2 x 0.57 mm	1 x 0.57 mm	1.53 kWh/m	672 g/m	100-1156-24
MODF32	27.2 mm	32 x 2 x 0.57 mm	1 x 0.57 mm	1.98 kWh/m	866 g/m	100-1156-32



MULTIPAIR AF, SAFETY & FIRE ALARM CABLE, FIXED INSTALLATION, FRNC, E30-E90

BALANCED, SOLID WIRE CONDUCTORS, HALOGEN-FREE + FLAME-RETARDANT E30-E90 ACCORD. TO DIN VDE 0815

SC-LOGIC SAFETY

⊗ INSTALLATION ⊗ ELA

ANALOG FRNC HALOGEN-FREE OFC E30 E90

Fire...

for our safety cable **SC-LOGIC SAFETY** with continuous functions E30 – E90. This cable has become a standard cable for installation in public buildings and industrial facilities to transmit audio, control, and test signals. Due to the use of a special polymer it complies with the fire protection requirements accord. to DIN VDE 4102 Part 12, E30 – E90. Please note that this type of cable is not suitable for mobile application. Continued function depends on the installation technique. It is flame-retardant in compliance with DIN VDE 0482 Part 266-2, EN 50266-2, and IEC 60332-3, halogen-free in compliance with DIN VDE 0482 Parts 267-2 EN50267-2 and IEC 60754-2, impervious to smoke in compliance with DIN VDE 0482 Parts 268, EN 50268 and IEC 61034, fire resistance in connection with water at 650 °C: 15 minutes (BS8367; W).

APPLICATION:

- For fixed installation in buildings (airports, hospitals, traffic technology, industrial units, etc.)
- Modulation cable for transmission of AES/EBU-Standards

PRODUCT ADVANTAGES:

- Available in versions 1- to 20-pair
- In compliance with the high fire protection requirement accord. to DIN VDE 4102 Part 12, E30 – E90
- Simultaneous transmission of analog data and AES/EBU-data format

TECHNICAL DATA

Construction:	J-H(ST)H..BD FE180/E90
Jacket:	Polymer (DIN VDE 0207 HJ1 / HD22.1.S4 EI5)
AWG:	AWG 20
Conductor insulation:	Cross link polymer, polyester, and fiber optic sleeve
Shielding:	AL/PT fo (overall) with drain wire AWG26 (0.4 mm)
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Jacket color:	■ red, RAL 3000
Packaging:	per meter

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	110 pF (800 Hz)
Capac. cond./shield. per 1 m:	200 pF (800 Hz)
Loop resistance per 1 km:	< 75 Ω
Insulation resist. per 1 km:	100 MΩ
Surge impedance:	105 Ω +/- 10 %

FREE SAMPLE
AVAILABLE!

TYPE	Ø	INNER COND.	FIRE LOAD	WEIGHT	ORDER-NO.
MODFS02	8.0 mm	2 x 2 x 0.8 mm	0.20 kWh/m	96 g/m	100-1173-02
MODFS04	11.2 mm	4 x 2 x 0.8 mm	0.33 kWh/m	150 g/m	100-1173-04
MODFS08	17.6 mm	8 x 2 x 0.8 mm	0.70 kWh/m	255 g/m	100-1173-08
MODFS12	18.4 mm	12 x 2 x 0.8 mm	0.89 kWh/m	325 g/m	100-1173-12
MODFS32	27.4 mm	32 x 2 x 0.8 mm	2.02 kWh/m	690 g/m	100-1173-32

AES/EBU & DMX-CABLE

BALANCED, PATCH

SC-SEMICOLON 2 AES/EBU PATCH

☒ STUDIO
 ☒ INSTALLATION

☒ ANALOG
 ☒ DIGITAL
 ☒ FRNC
 ☒ HALOGEN-FREE
 ☒ OFC

The moon has risen...

but only the twinkling of stars in the sky, nothing else! No lights! No sound! A total power failure, a technician's nightmare! External interference is the cause because of badly shielded cables. It makes no sense to cut cost by using inferior material and shielding. That's why this cable has a soft jacket material and 100 % shielding and all that with an outer diameter of only 5 mm.

This cable is the perfect AES/EBU-cable for studio technology. It is ideally suited for patching or inside wiring. Where no extreme environmental influences are present this cable can also be installed permanently over long distances. The surge impedance of 110 Ω guarantees loss-free transmission of digital signals.

The **SC-SEMICOLON** is also fully shielded through the use of dense copper spiral shielding and AL/PT-foil underneath. The additional braided filler strand makes it excellent to work with.

The smallest AES/EBU-patch cable **SC-ISOPOD SO-F22D** with a diameter of 3.3 mm can be found on the front pages under "PATCH CABLES".

Ø mm
5.0

Shielding
100%

mm²
2x0.22

APPLICATION:

- Studio patch cabling
- Control of lighting, scanner units, and displays
- Fixed installation

PRODUCT ADVANTAGES:

- Optimum shielding through the use of dense copper spiral shielding + AL/PT-foil
- Small diameter, thus suitable for the connection with RCA/cinch-connectors
- Very reasonable price

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	(2LI2Y0.22mm ²)(ST)DY
Jacket, diameter:	PVC/FRNC 5.0 mm
Inner conductors:	2 x 0.22 mm ² (AWG24)
Copper strand per conductor:	7 x 0.20 mm
Conductor insulation:	PE
Shielding:	Copper spiral shielding + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0,13 kWh
Weight per 1 m:	33 g
Packaging:	100/500 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	45 pF
Cond. resistance per 1 km:	80 Ω
Insulation resist. per 1 km:	> 5 GΩ
Surge impedance:	110 Ω

COLOR

- ☒ blue
☒ blue, FRNC

ORDER-NO.

520-0102
520-0102F

AES/EBU & DMX-CABLE

BALANCED, TWIN STRAND

SC-PEACOCK AES/EBU

STRONG SPVC

☒ STAGE
 ☒ STUDIO
 ☒ INSTALLATION

☒ ANALOG
 ☒ DIGITAL
 ☒ OFC

Two friends we must be...

and into two plugs we must fit. Or into three – or even four. You can do a lot with this cable. But most importantly, it is a stereo cable for microphones and for the construction of cinch and Y-patch cables. Each of these cables is protected individually to 95% with dense spiral shielding and can be separated at any time. The individual cable fits all jack, XLR, and cinch plugs.

For round cables see the SC-MISTRAL and SC-QUANTUM HIGHFLEX.

mm
4.5x9.2

Shielding
95%

mm²
2x2x0.22

APPLICATION:

- Wiring of stereo microphones
- Construction of insert cables
- DMX-duplex transmission

PRODUCT ADVANTAGES:

- Highly flexible through the use of a soft PVC-jacket, resistant to the cold
- Multiple application, because individual cables can be split

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	2[(2LI2Y0.22mm ²)DY]
Jacket, outer dimension:	S-PVC, 4.5 x 9.2 mm
Inner conductors:	2 x 2 x 0.22 mm ² (AWG24)
Copper strand per conductor:	28 x 0.10 mm
Conductor insulation:	Skin-PE 1.3 mm
Shielding:	Copper spiral shielding
Shielding factor:	95 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0,18 kWh
Weight per 1 m:	49 g
Packaging:	100 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	70 pF
Capac. cond./shield. per 1 m:	125 pF
Cond. resistance per 1 km:	< 80 Ω
Shield. resistance per 1 km:	26 Ω
Insulation resist. per 1 km:	> 500 MΩ
Surge impedance per 1 km:	110 MΩ

COLOR

- ☒ blue

ORDER-NO.

200-0552

AES/EBU & DMX-CABLE

BALANCED, OUTDOOR

BINARY 234 AES/EBU MKII

STRONG
SPVCPMB
PUR MASTER BLEND

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA
 ANALOG DIGITAL FRNC HALOGEN-FREE OFC AQUA

To swing with your girlfriend...

like Tarzan in the jungle. With this cable you can do just that: It can take a lot of tugging, bending, and rough wear and tear. This is important when it is installed on light traverses with sharp edges.

The **BINARY 234** is an outstanding cable for the transmission of digital signals, format data 110 Ω AES/EBU and DMX. It has 100 % shielding made of an aluminum-vaporized fleece and copper spiral shielding and provides very good protection against electrical and magnetic interference.

This cable ensures faultless data transfer over distances of up to 100 meters. With the **BINARY 234** you are on the safe side.

Now available in the halogen-free FRNC-version.

Ø mm

6.4

Shielding

100%

mm²

2x0.34

APPLICATION:

- Networking or scanners, lighting units, digital mixing boards, etc.
- For indoor and outdoor installation
- Connection of digital audio amplifiers, DAT-recorders, etc.

PRODUCT ADVANTAGES:

- AES/EBU and DMX-conformant, highly flexible
- Very good shielding through the use of copper spiral shielding and a fleece vaporized with aluminum
- Extremely robust due to the especially strong jacket
- Only a little more expensive than a standard microphone cable

TECHNICAL DATA

Construction:	[2LI2Y0.34mm ²](ST)DY
Jacket, diameter:	6.4 mm
Material jacket, insulation:	Standard in PVC/ FRNC version HM2 (Test type C)
Inner conductors:	2 x 0.34 mm ² (AWG22)
Copper strand per conductor:	7 x 0.25 mm
Conductor insulation:	PE 1.70 mm/ FRNC version HM2 1.70 mm
Shielding:	Copper spiral shielding + aluminum steamed fleece
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.17 kWh (520-0051F: 0.23 kWh)
Weight per 1 m:	50 g
Packaging:	100 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	< 65 pF
Capac. cond./shield. per 1 m:	115 pF
Cond. resistance per 1 km:	53 Ω
Shield. resistance per 1 km:	12 Ω
Insulation resist. per 1 km:	> 10 GΩ
Surge impedance:	110 Ω

COLOR

■ black

■ blue

★ black, FRNC

★ black, PUR-Blend

ORDER-NO.

520-0051

520-0052

520-0051F

521-0051

FREE SAMPLE
AVAILABLE!

AES/EBU & DMX-CABLE

4-WIRES, BALANCED, OUTDOOR

BINARY 434 DMX512

STRONG
SPVCPMB
PUR MASTER BLEND

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA
 ANALOG DIGITAL PUR TERRA OFC AQUA

One step forward and one step back...

and round and round, that's not so hard. When data has to be passed back and forth, then a digital cable with a check-back channel should be used. The surge impedance for this cable is also set at 110 Ω. Two of the 4 wires are responsible for the check-back function. The robust outer jacket is suitable for outdoor and permanent installation.

Color coding according to DIN 47100.

Due to the double shielding (AL/PT-foil + copper braiding) and wire coding it conforms with the generally applicable guidelines (VDE 0812/VDE 0207).

The PE-Version is resistant to salt water and suitable for ground installation. Flexible PUR-blend-version for mobile outdoor application.

Ø mm

7.0

Shielding

100%

mm²

4x0.34

APPLICATION:

- Networking scanners and lighting units with feedback function
- Connection of digital controls and various types of units
- PE-Version for ground installation, resistant to salt water
- PUR-Blend version for mobile outdoor application

PRODUCT ADVANTAGES:

- Digital transmission over long distances due to DMX- and AES/EBU-Standards
- Very good protection against electrical interference (copper braiding + AL/PT-foil)
- Extremely robust due to the special tough jacket
- PE-Version: Resistant to salt water and suitable for ground installation

TECHNICAL DATA

Construction:	[2[2LI2YS0.34mm ²](ST)]CY
Jacket, diameter:	7.0 mm
Material jacket:	Standard in PVC/ ground install. version PE/PUR-Blend
Inner conductors:	4 x 0.34 mm ² (AWG22)
Copper strand per conductor:	7 x 0.25 mm
Conductor insulation:	PE
Shielding:	Copper-cross mesh, tined + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.22 kWh
Weight per 1 m:	65 g
Packaging:	100 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF
Capac. cond./shield. per 1 m:	245 pF
Cond. resistance per 1 km:	53 Ω
Shield. resistance per 1 km:	15 Ω
Insulation resist. per 1 km:	> 5 GΩ
Surge impedance:	110 Ω
Transmission speed:	256 Kbs according to EIA 485 Standard

COLOR

■ grey, PVC

■ black, PVC

★ black, PE

★ black, PUR-Blend

ORDER-NO.

540-0056

540-0051

540-0051PE

541-0051

FREE SAMPLE
AVAILABLE!

AES/EBU & DMX-CABLE

4-WIRES, BALANCED, OUTDOOR, TWISTED PAIR

BINARY 434 TP DMX512

STRONG
SPVC

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA
 ANALOG DIGITAL TERRA OFC

These two don't want to know each other...

but they live in the same jacket! For a reduced diameter or to save space the AES/EBU- or DMX-cables are "cross-stranded", just like our **BINARY 434**. When used under extremely tough conditions the wires can move slightly, resulting in a somewhat higher tolerance range for the electrical data. To be on the safe side you can choose the more complex version with wire pair shielding and additional AL/PT-foil insulation on both wire pairs. While this increases the diameter of the cable somewhat, it also gives it additional stability. The new **BINARY TP** (TWISTED PAIR) is delivered with an S-PVC-jacket that resists cold temperatures (-30 °C) and is notch-resistant. With double shielding (AL/PT-foil + copper braiding) and wire coding it complies with generally the applicable guidelines (VDE 0812/VDE 0207).

NEW!

Ø mm
8.0Shielding
100 %mm²
4x0.22

APPLICATION:

- Connection of scanners and lighting units with feedback signal function
- Connection of all types of digital controls and units
- S-PVC-jacket for mobile outdoor application

PRODUCT ADVANTAGES:

- Digital transmission over long distances, based on DMX- and AES/EBU-standards
- Excellent protection against interference (copper braiding + AL/PT-foil) and twisted pair construction
- Extremely robust with a tough jacket

TECHNICAL DATA

Construction:	[2(2LI2YS0.22mm ²)](ST)]CY
Jacket, diameter:	8.0 mm
Material jacket:	S-PVC
Inner conductors:	4 x 0.22 mm ² (AWG24)
Copper strand per conductor:	7 x 0.20 mm
Conductor insulation:	Foam PE
Shielding:	copper braiding tin-plated + 2 x AL-PT-foil
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.25 kWh
Weight per 1 m:	76 g
Packaging:	100 m roll

FREE SAMPLE
AVAILABLE!

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	45 pF
Capac. cond./shield. per 1 m:	116 pF
Cond. resistance per 1 km:	< 80 Ω
Shield. resistance per 1 km:	15 Ω
Insulation resist. per 1 km:	> 100 GΩ
Surge impedance:	110 Ω
Transmission speed:	acc. to EIA 485 standard 256 Kbs

COLOR

■ black
 ■ blue

ORDER-NO.

542-0051
542-0052

AMX CONTROL CABLE

2 x 0.38 mm² CONTROL + 2 x 2.0 mm² POWER

SC-KOLORITH 1

☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA
 ANALOG DIGITAL FRNC HALOGEN-FREE OFC

It'll color your world...

because the **SC-KOLORITH 1** is the ideal cable for the connection of color changers and all other units with an AMX bus-device. The **SC-KOLORITH 1** transmits data (1 x 2 x 0.38 mm²) and power (2 x 2.0 mm²) through a total of 4 wires. The 2-wire data cable is shielded in pairs, has a large wire diameter of 2 x 0.38 mm² and guarantees high bending cycles due to the construction with fine individual strands (48 x 0.10 mm, tin-plated). The densely stranded power supply cable has a diameter of 2 mm² each. Transmission over distances of up to 1.000 meters is possible with the **SC-KOLORITH 1**.

Ø mm
7.4Shielding
100 %mm²
2x0.38+P

APPLICATION:

- Connection of color changers
- Installation (studio, lighting, building technology)
- Outdoor application

PRODUCT ADVANTAGES:

- For the connection of AMX/ CRESTRON systems across distances of up to 1.000 m
- Also applicable as an audio/speaker hybrid cable
- Very compact, flexible, and easy to work with

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Construction:	[2LIY2.0mm ² +(2LIY0.38mm ²)](ST)]Y
Jacket, diameter:	7.4 mm (total) 2.5 mm (AMX/audio)
Material jacket, insulation:	Standard PVC, PP / FRNC in HM2 (Test type)
Inner conductors:	2 x 0.38 mm ² (audio), (AWG21) 2 x 2.0 mm ² (power)
Copper strand per conductor:	48 x 0.10 mm tin-plated (AMX/audio) 256 x 0.10 mm (power)
Conductor insulation:	PP
Shielding:	AL/PT-foil + filler strand, tin-plated (AMX/audio)
Shielding factor:	100 %
Temperature range:	-25 °C... +70 °C
Fire load per m:	0.22 kWh
Weight per 1 m:	108 g
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF (AMX/audio)
Capac. cond./shield. per 1 m:	120 pF (AMX/audio)
Cond. resistance per 1 km:	< 52 Ω
Shield. resistance per 1 km:	25 Ω
Insulation resist. per 1 km:	1 GΩ

COLOR

■ black
 ★ black, FRNC

ORDER-NO.

500-0101-1
500-0101-1F

AES/EBU, DMX & POWER COMBI-CABLE

AES/EBU+AUDIO



SC-MONOLITH POWER DMX

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION

☒ ANALOG
 ☒ DIGITAL
 ☒ OFC

When the lights start to dance...

the show begins! There also is a lot of technology behind this performance, **SOMMER CABLES** play a great role here! The power for the lights and the control signals for the movement must be transmitted through the cables.

Both are paired in a robust cable jacket, providing the input for the light mixing board and other DMX 512-dependent control units.

The **SC-MONOLITH POWER DMX** has a power infeed with a wire diameter of $3 \times 1.5 \text{ mm}^2$ and one (**SC-MONOLITH 1**) or two (**SC-MONOLITH 2**) or four (**SC-MONOLITH 4**) DMX 512-cables. With the **SC-MONOLITH 4** two DMX-cables can be used for transmission of Intercom signals. Each wire pair is shielded with a tin-plated copper spiral. Both wires are numbered for better identification. The **SC-MONOLITH 8** is designed for larger events and has eight cables with return channels ($8 \times 4 \times 0.20 \text{ mm}$).

The power line is equipped with its own PVC-jacket for added safety in compliance with VDE.

Of course the AES/EBU-cable can also be used as a microphone cable or as an infeed cable for active speaker systems.

Now also available with a $3 \times 2.5 \text{ mm}^2$ power cable (HV-Type)

FREE SAMPLE AVAILABLE!



APPLICATION:

- Controls for DMX-light mixing board (surge impedance of 110Ω)
- Analog + digital audio multipair with power supply

PRODUCT ADVANTAGES:

- Parallel controls for light mixing boards via power line and DMX-signal via cable
- Very flexible and enormously treadable due to a jacket made of cotton and viscose
- Very good paired shielding of the DMX-cables due to tin-plated copper spiral shielding

TECHNICAL DATA

Construction:	[[3LI1.5mm ²]Y+ xx(2LI2Y0.25mm ²)DY]VLY
Construction HV:	[[3x2.5mm ² + xx(2LI2Y0.25mm ²)DY]VLY
Jacket:	PVC
AWG:	AWG23
Diameter data:	3.8 mm
Copper strand per cond., data:	28 x 0.10 mm
Shielding data:	copper braid., tined
Shielding factor (audio):	90 %
Temperature range:	-30 °C...+70 °C
Jacket color:	■ black
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	55 pF
Capac. cond./shield. per 1 m:	110 pF
Cond. resistance per 1 km:	80 Ω
Insulation resist. per 1 km:	> 2 G Ω
Surge impedance, data:	110 Ω

TYPE	Ø	INNER COND.	POWER COND. / JACKET-Ø	FIRE LOAD	WEIGHT	ORDER-NO.
SC-MONOLITH 1 COMPACT NEW!	10.5 mm	1 x 2 x 0.25 mm ²	3 x 1.5 mm ² / single cond.	0.54 kWh	190 g	502-0051-1
SC-MONOLITH 1	14.5 mm	1 x 2 x 0.25 mm ²	3 x 1.5 mm ² / jacket 7.0 mm	0.64 kWh	222 g	500-0051-1
SC-MONOLITH 2	15.5 mm	2 x 2 x 0.25 mm ²	3 x 1.5 mm ² / jacket 7.0 mm	0.86 kWh	245 g	500-0051-2
SC-MONOLITH 4	17.0 mm	4 x 2 x 0.25 mm ²	3 x 1.5 mm ² / jacket 7.0 mm	1.23 kWh	265 g	500-0051-4
SC-MONOLITH 8 DUPLEX	20.0 mm	8 x 4 x 0.25 mm ²	3 x 1.5 mm ² / jacket 7.0 mm	2.29 kWh	660 g	501-0051-8
SC-MONOLITH 2 HV	17.0 mm	2 x 2 x 0.25 mm ²	3 x 2.5 mm ² / jacket 9.0 mm	0.92 kWh	313 g	500-0281-2
SC-MONOLITH 4 HV	18.6 mm	4 x 2 x 0.25 mm ²	3 x 2.5 mm ² / jacket 9.0 mm	1.24 kWh	376 g	500-0281-4

MULTIPAIR HYBRID AUDIO+POWER [AES/EBU]12x2x0.22mm² + 3x1.5mm² POWER + 4x2.5mm² SPEAKER**SC-NAUTILUS 16 PAIR HV**

☒ STAGE
 ☒ MOBILE
 ☒ INSTALLATION

☒ ANALOG
 ☒ DIGITAL
 ☒ OFC

The cable's core...

consists of a power cable with outstanding insulation, surrounded with a thick PVC-jacket of 12.4 mm, this again is surrounded by 16 paired, shielded, and insulated audio wires and 4 speaker wires with a diameter of 2.5 mm². All wires are numbered for better identification.

The application for the **SC-NAUTILUS 16 PAIR HV** of course is extremely diverse, because of the hybrid construction. It is especially favored for the wiring of power mixing boards (mixing boards with integrated amplifiers). All necessary connections (microphone, speakers, and power) can be transmitted using one cable.

The **SC-NAUTILUS 16 PAIR HV** is flexible and very robust, i.e. very suitable for the stage. We recommend a fault current protection switch to prevent personal injury and grounding errors. To prevent the core from heating up the **SC-NAUTILUS 16 PAIR HV** should always be completely wound off the drum.

APPLICATION:

- All in one cable for power mixing boards
- Installation indoors and outdoors
- Mobile application

PRODUCT ADVANTAGES:

- Versatile application due to the hybrid construction
- Individually insulated, numbered, and shielded audio wires
- Great durability due to the mechanical construction

- 1 strand constr. 7 x 0.20 mm, tin-plated
- 2 filler strand
- 3 wire pair 2 x 0.22 mm² (AWG24)
- 4 conductive AL/PT-foil
- 5 numbered and color-coded wire insulation

COLOR

■ grey	wire pair	1 - 8
■ black	wire pair	9 - 16

FREE SAMPLE AVAILABLE!**Combi**

Ø mm
24.0

TECHNICAL DATA

Construction:	LI2Y(xPSTY) x2x0.22mm ² + LIY4x2.5mm ² + LIYY3x1.5ST-Y
Jacket, diameter:	PVC 24.0 mm
Inner conductors:	16 x 2 x 0.22 mm ² (audio) (AWG24) 4 x 2.5 mm ² (speaker/control wire) (AWG14) 3 x 1.5 mm ² (power)
Copper strand per conductor:	7 x 0.20 mm
Conductor insulation:	Skin-PE (audio)
Shielding:	AL/PT-foil + filler strand (audio) + AL/PT-foil
Temperature range:	-20 °C...+70 °C
Fire load per m:	2.16 kWh
Weight per 1 m:	700 g
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF (audio)
Capac. cond./shield. per 1 m:	130 pF (audio)
Cond. resistance per 1 km:	< 80 Ω (audio); < 4,5 Ω (speaker)
Shield. resistance per 1 km:	75 Ω (audio)
Surge impedance per 1 km:	110 Ω (audio)
Operation/test voltage:	max. 300 V/2 kV (speaker)

COLOR

■ black matt

ORDER-NO.**100-0251-16****CAT.6 & POWER COMBI-CABLE**

TWISTED PAIR + POWER

SC-MONOCAT POWER

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION

☒ ANALOG
 ☒ DIGITAL
 ☒ FRNC
 ☒ HALOGEN-FREE
 ☒ PUR

Cable abuse without punishment

These combination cables are made up of either eight or two CAT.6-cables, including an insulated power cable.

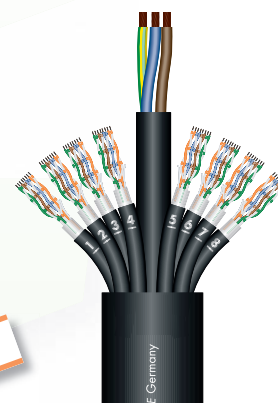
The **SC-MONOCAT POWER 81** and **21** are suitable for fixed installation as well as mobile applications.

We have made the **SC-MONOCAT POWER** fit for the road with a halogen-free PUR FRNC-jacket that is resistant to notching and cold temperatures.



Ø mm
19.5

Shielding
100%

FREE SAMPLE AVAILABLE!**APPLICATION:**

- Control of DMX-light mixing boards
- Mobile application
- Analog + digital audio multipair with LAN- and power supply
- Fixed installation (FRNC IEC332.1)

PRODUCT ADVANTAGES:

- LAN-signal transmission incl. power in one cable
- LAN-cable can be used as an additional control cable
- Enormously resistant to treading with a PUR-jacket

TECHNICAL DATA

	SC-MONOCAT POWER 21	SC-MONOCAT POWER 81
Construction:	[(3LI9Y11Y3x2.5mm ²)Y+..x(4X(2LI2YX0.22mm ²))](ST)Y]Y	
Jacket, diameter:	PUR halogen-free, 17.7 mm	PUR, 26.8 mm
Inner conductor:	3 x 2.5 mm ² (140x0.15mm) 2 x 4 x 2 x AWG26	3 x 2.5 mm ² (140x0.15mm) 8 x 4 x 2 x AWG26
Conductor insulation:	PP	PP
Shielding:	AL/PT-foil (LAN CAT.6)	AL/PT-foil (LAN CAT.6)
Shielding factor:	100 %	100 %
Temperature range:	-30 °C...+70 °C	-30 °C...+70 °C
Fire load per m:	1.01 kWh	2.46 kWh
Weight per 1 m:	380 g	735 g
Packaging:	per m	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	48 pF	48 pF
Capac. cond./shield. per 1 m:	100 pF	100 pF
Cond. resistance per 1 km:	80 Ω	80 Ω
Max. section length:	100 m	100 m
Surge impedance:	100 Ω	100 Ω

COLOR

■ black, PUR, version 21

■ black, PUR, version 81

ORDER-NO.**500-0171-2****500-0171-8**

SPEAKER CABLE

TWINAXIAL, FLEXIBLE

MERIDIAN

STRONG
SPVCPMB
PUR MASTER BLEND

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA

☒ ANALOG
 ☒ FRNC
 ☒ HALOGEN-FREE
 ☒ OFC
 ☒ E30

Were raw force reigns...

the sound technicians are at work and do not have the time to handle cables with tender love and care. This robust cable is especially intended for speakers and satisfies all special technical demands. The oxygen-free copper strand provides better sound and more durability.

All PVC-versions are easy to wind. Versions **SP215** and **SP225** are now available with highly flexible 0.15 mm copper stranding! New are the versions in FRNC and E30 (IEC 228, IEC 332-1, IEC 332-3 Cat C, IEC 60331, IEC 61034-1/2, IEC 60754-2).



→ We supply a new quality with an extremely tight stranding* and fine copper strand, which is guaranteed for ten thousand bending cycles and is excellent to wind.

* (10 x wire diameter of stranding)

FREE SAMPLE AVAILABLE!

Ø mm 6.8	Ø mm 7.8	Ø mm 9.5	Ø mm 10.0
mm ² 2x1.5	mm ² 2x2.5	mm ² 2x4.0	mm ² 2x6.0



APPLICATION:

- All types of sound systems
- For permanent installation – also E30 and FRNC
- Wiring of HiFi-systems
- Mobile outdoor areas (PUR-version)

PRODUCT ADVANTAGES:

- Flexible (PVC- and PUR-versions only) and easily windable
- Small diameter
- Great durability through the use of a special jacket mixture
- Very affordable

TECHNICAL DATA

	SP215	SP225	SP240	SP260
Construction:	(2LIY1.50mm ²)Y	(2LIY2.5mm ²)Y	(2LIY4.0mm ²)Y	(2LIY6.0mm ²)Y
Jacket, diameter (PVC/FRNC):	6.8 mm	7.8 mm	9.5 mm	10.0 mm
Jacket, diameter (E30):		9.8 mm	11.0 mm	12.6 mm
Material jacket, insulation:	Standard in PVC/ FRNC version in HM2 (Test type C halogen-free) / E30 version: HM2, silicone			
No. of conductors:	2 x 1.5 mm ² (AWG16)	2 x 2.5 mm ² (AWG14)	2 x 4.0 mm ² (AWG12)	2 x 6.0 mm ² (AWG10)
Copper strand per cond. (PVC/FRNC):	84 x 0.15 mm	140 x 0.15 mm	56 x 0.30 mm	84 x 0.30 mm
Copper strand per cond. (E30):		35 x 0.30 mm	57 x 0.30 mm	85 x 0.30 mm
Conductor insulation, diam.: (PVC/FRNC):	2.62 mm	3.05 mm	4.2 mm	4.7 mm
Conductor insulation, diam. (E30):		3.3 mm	3.9 mm	4.6 mm
Temperature range:	-30 °C...+70 °C (E30: -30 °C...+80 °C)			
Fire load per m (PVC):	0.28 kWh	0.33 kWh	0.46 kWh	0.63 kWh
Fire load per m (FRNC/E30):		0.38 kWh	0.54 kWh	0.81 kWh
Weight per 1 m (PVC/FRNC):	78 g	106 g	150 g	192 g
Weight per 1 m (E30):		151 g	202 g	270 g
Packaging:	100/500 m	100/500 m	100/500 m	100/500 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	150 pF	136 pF	125 pF	125 pF
Cond. resistance per 1 km:	< 13 Ω	< 7.8 Ω	< 4.5 Ω	< 3.3 Ω
Insulation resist. per 1 km:	> 5 MΩ	> 5 MΩ	> 5 MΩ	> 5 MΩ

ORDER-NO.	■ black			NEW! 460-0051
ORDER-NO.	■ dark grey	415-0056	425-0056	440-0056
ORDER-NO.	□ weiß		NEW! 425-0050	460-0056
ORDER-NO. (FRNC) ★ black		425-0051F	440-0051F	460-0056F
ORDER-NO. (PMB) ★ black		NEW! 425-0051P		
ORDER-NO. (E30) ★ orange		NEW! 425-0055E30	NEW! 440-0055E30	NEW! 460-0055E30

SPEAKER CABLE

TWINAXIAL, HIGHLY FLEXIBLE, WITH SENSE CABLE

SC-ECLIPSE SPQ240 MKII

X STAGE X MOBILE X STUDIO X INSTALLATION X ELA X HIFI
 ANALOG OFC

Up and down as usual...

This speaker cable will always return to its normal shape. Even in tough situations, e.g. inside a rolling flight case, it will return to its upright position. As a special feature we have added a PVC-smoother filled with viscose and a 0.50 mm² sense cable. This cable is suitable for even the toughest stage demands.

This speaker cable has a fine and densely stranded oxygen-free copper conductor, such as only used in exclusive HiFi-cables of superior class. For optimum conductivity we have grouped the copper strands into complex bundles. This not only gives this cable unbelievable flexibility, but also ensures outstanding transmission quality. This is also noticeable in the longer cable lengths through clean and clear high ranges, dynamic mid ranges, and a more powerful bass.

NEW!

Ø mm
9.5mm²
2x4.0

Section

APPLICATION:

- PA / sound systems
- For fixed installation
- Top quality HiFi-connection

PRODUCT ADVANTAGES:

- Loss-free signal transmission even over long distances through the use of densely stranded copper conductor
- Highly flexible through the use of a rubberlike PVC-jacket
- Extremely robust and dependable

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	(2LIY4.0mm ² +0.5 mm ²)Y
Jacket, diameter:	PVC, 9.5 mm
No. of conductors:	2 x 4.0 mm ² (AWG12) + 1 x 0.5 mm ² (AWG21)
Copper strand per conductor:	225 x 0.15 mm
Conductor insulation, diameter:	PVC, 3.75 mm
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.46 kWh
Weight per 1 m:	165 g
Packaging:	100/200 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	240 pF
Cond. resistance per 1 km:	< 4.5 Ω
Insulation resist. per 1 km:	> 5 MΩ

COLOR
■ grey

ORDER-NO.
440-0256

SPEAKER CABLE

COAXIAL, HIGHLY FLEXIBLE, PVC + HALOGEN FREE/FRNC

SC-MAGELLAN SPK

STRONG
SPVC

X STUDIO X INSTALLATION X ELA X HIFI
 ANALOG FRNC HALOGEN-FREE TERRA (FRNC) OFC

Quietly the snow falls...

Similar to the background music and the animated sales announcements made in department stores. For this purpose, we have the perfect cable: a coaxial cable is used where a small outer diameter with a large outer diameter is needed. Especially for cable conduits where the speaker cable is located next to cables with strong interference.

Normally shielding made of braided copper strands is used for coaxial cables. This makes them unnecessarily stiff and non-flexible, making multiple winding almost impossible. We use a double counter-rotating shield for our cables **SPK**. This offers better shielding than the conventional copper braiding and makes the cable unbelievably flexible.

Ø mm
6.0mm²
2x2.5Ø mm
8.0mm²
2x4.0Ø mm
9.0mm²
2x6.0

When used as a speaker cable the twisted shielding is used as a second conductor. It has the same diameter as the inner conductor.

APPLICATION:

- For installation in building technology
- Combination with small plug connectors (jack, XLR, etc.)
- High end HiFi-applications

PRODUCT ADVANTAGES:

- Space saving diameter due to the coaxial construction
- Excellent shielding due to the double counter-rotating stranded copper spiral shielding
- Highly flexible (PVC-version only) due to the special shielding construction

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

	SPK225	SPK240	SPK260
Construction:	LI2Y(LS)DY1x2.5 mm ²	...1x4.0 mm ²	...1x6.0 mm ²
Jacket, diameter:	6.0 mm	8.0 mm	9.0 mm
Material jacket, insulation:	Standard in PVC/FRNC in HM2 (Test type C halogen-free)		
No. of conductors:	2 x 2.5 mm ² (AWG14)	2 x 4.0 mm ² (AWG12)	2 x 6.0 mm ² (AWG10)
Copper strand per cond.:	322 x 0.10 mm	225 x 0.15 mm	338 x 0.15 mm
Shielding:	Double copper spiral, counter-rotating		
Shielding factor:	100 %	100 %	100 %
Temperature range:	-30 °C...+70 °C		
Fire load per m:	0.18 kWh	0.32 kWh	0.44 kWh
Weight per 1 m:	73 g	135 g	196 g
Packaging:	100 m / 500 m		

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	150 pF	140 pF	130 pF
Cond. resistance per 1 km:	< 7.8 Ω	< 5.0 Ω	< 5.0 Ω
Insulation resist. per 1 km:	> 5 MΩ	> 5 MΩ	> 5 MΩ

COLOR

■ black, 2.5 mm ²	425-0201
■ black, 4.0 mm ²	440-0201
★ black, 2.5 mm ² , FRNC halogen-free	425-0201F
★ black, 4.0 mm ² , FRNC halogen-free	440-0201F
★ black, 6.0 mm ² , FRNC halogen-free	460-0201F

ORDER-NO.

SPEAKER CABLE

MULTICORE

ELEPHANT

X STAGE X MOBILE X STUDIO X INSTALLATION X ELA X HIFI
 ANALOG FRNC HALOGEN-FREE PUR OFC AQUA E30



When the wires run hot...

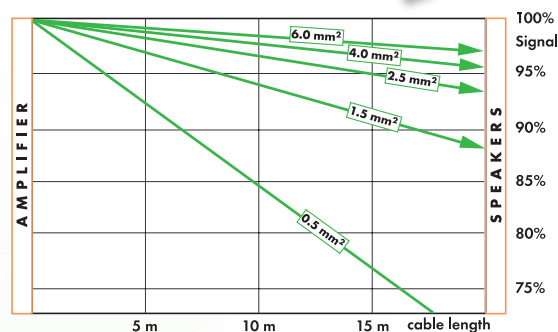
The crowd cheers when the speakers get turned up to capacity. Then not only the spirits heat up, but also the cables. Here too the highest of demands are placed on the cable, meaning that the outer cable jacket has to be as thick as elephant skin. It should also be flexible, treadable, easily windable, and of course reusable.

Especially mentioned should be the combi-special cable **ELEPHANT SPM4025** for use with woofers and surround systems.

The **SPM4025** has a total of 6 wires, 4 for the bass range with a diameter of 4.0 mm² (strand diameter 0.20 mm²) and 2 wires for the high frequency range with a diameter of 2.5 mm² (strand diameter 0.15 mm²). Based on this stranding technique commonly used for HiFi-cables the **SPM4025** transmits a crystal clear high frequency range and a clean, dynamic bass signal.

Compare them to other speaker cables. The **ELEPHANT** will convince you!

Now also available in a halogen-free FRNC-version (Test Type C) and E30!



Performance chart: Performance loss speaker cables compared to cable lengths dependent on the cable length

FREE SAMPLE AVAILABLE!

Ø mm
9.7

Ø mm
11.5

Ø mm
12.5

Ø mm
11.0

Ø mm
12.5

Ø mm
15.6

Ø mm
14.0

Ø mm
24.8

mm²
4x2.5

mm²
5x2.5

mm²
8x2.5

mm²
4x4

mm²
5x4

mm²
8x4

mm²
Combi

mm²
16x4

APPLICATION:

- Professional PA/sound systems
- Surround und woofer systems
- For fixed installation in building technology

PRODUCT ADVANTAGES:

- Loss-free transmission due to the special stranding
- Highly flexible (PVC-version only) and suitable for the stage, easily windable
- Compatible with common Neutrik-Speakon plug connectors
- Easy to work with due to good insulation and numbered wiring



TECHNICAL DATA	SPM425	SPM525	SPM825	SPM440	SPM540	SPM840	SPM1640	SPM4025 (2LIY2.5mm²+ 4LIY4.0mm²)Y	
Construction:	(4LIY2.5mm²)Y	(5LIY2.5mm²)Y	(8LIY2.5mm²)Y	(4LIY4.0mm²)Y	(5LIY4.0mm²)Y	(8LIY4.0mm²)Y	(16LIY4.0mm²)Y	4LIY4.0mm²)Y	
Jacket, diameter:	9.7 mm	11.5 mm	12.5 mm	11.0 mm/E30: 12.8 mm	12.5 mm	15.6 mm	24.8 mm	14.0 mm	
Material jacket, insulation:	Standard in PVC/ FRNC version in HM2 (Test type C halogen-free + flame retardant)/E30 version: HM2, silicone								
No. of conductors:	4 x 2.5 mm² (AWG14)	5 x 2.5 mm² (AWG14)	8 x 2.5 mm² (AWG14)	4 x 4 mm² (AWG12)	5 x 4 mm² (AWG12)	8 x 4 mm² (AWG12)	16 x 4 mm² (AWG12)	4 x 4 mm² + 2 x 2.5 mm²	
Copper strand per cond.:	140 x 0.15 mm	140 x 0.15 mm	50 x 0.25 mm	225 x 0.15 mm	225 x 0.15 mm	128 x 0.20 mm	56 x 0.30 mm	(225 + 141) x 0.15 mm	
Copper strand per cond. E30:	57 x 0.30 mm								
Conductor insulation, Ø:	3.05 mm	3.05 mm	3.05 mm	3.75 mm	3.75 mm	3.05 mm	3.75 mm	3.05 mm	
Jacket color:	PVC+FRNC: ■ black / E30: ■ orange								
Temperature range:	PVC+FRNC: -30 °C...+70 °C / E30: -30 °C...+90 °C								
Fire load per m:	0.49 kWh	0.53 kWh	0.58 kWh	0.51 kWh	0.56 kWh	0.94 kWh	1.98 kWh	0.76 kWh	
Weight per 1 m:	160 g	190 g	318 g	273 g/E30: 310 g	320 g	550 g	1050 g	380 g	
Packaging:	all types: per m								
ELECTRICAL DATA									
Cond. resistance per 1 km:	< 7.7 Ω	< 7.7 Ω	< 7.8 Ω	< 4.5 Ω	< 4.5 Ω	< 4.5 Ω	< 4.5 Ω	<4.5 Ω+<7.7 Ω	
Insulation resist. per 1 km:	all types: > 5 MΩ								
Operation/test voltage:	PVC+FRNC: max. 300 V/2 kV ; E30: max. 300 V/3 kV								
ORDER-NO.	PVC	490-0051-425	490-0051-525	490-0051-825	490-0051-440	490-0051-540	490-0051-840	490-0051-1640	490-0051-4025
ORDER-NO.	★ FRNC			490-0051-825F	490-0051-440F		490-0051-840F	NEW!	
ORDER-NO.	★ PUR				490-0251-440				
ORDER-NO.	★ E30			NEW!	490-0155-440E30				

BULK CABLES AUDIO – HIFI



OVERVIEW BULK CABLES AUDIO - HiFi

								
Name:	SC-NYFAZ	SC-TWINCORD	SC-TRIBUN	SC-FLUKOS „SF“	SC-AXOS	SC-CHRONOS	SC-PRISMA	SC-ORBIT 225/240/2100 MKII
Page:	59	59	60	60	61	61	62	62
Type:	Installation cable	Speaker cable						
Jacket-Ø (outer dimension) [mm]:	4.5 x 2.3 - 10.2 x 4.4	4.5 x 2.8 - 13.2 x 6.3	12.9 x 2.3 - 17.5 x 3.0	8.6 x 1.3/ 15.9 x 2.2	3.1 x 14.0/ 3.3 x 21.0	9.0/11.5	8.0 x 3.3 - 9.8 x 4.8	10.2 x 4.8 - 19.4 x 7.3
Jacket color:	■□	□	□	□	□	□	■□	■□
Conductor construction [mm²]:	2x0.75-2x4.0 AWG19-12	2x0.75-2x10.0 AWG19-8	2x1,5-2x4,0 AWG16-12	2x0.50/2x2.5 AWG21/14	4x1.5/4x2.5 AWG14/12	2x2.5/2x4.0 AWG14/11	2x1.5-2x4.0 AWG16-12	2x2.5-2x10.0 AWG14-8
Conductor insulation:	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Copper spiral shielding:								
Copper double spiral shielding:								
Copper-cross mesh shielding:								
Foil shield/fleece shield, conductive:								
Carbon shield:								
Drain wire:								
Digital:								
Halogen-free/FRNC/PUR:								
Mobile/Installation/ELA:	-/■/■	-/■/-	-/■/■	-/■/■	-/■/-	-/■/-	-/■/-	-/■/-
Shielding factor:								
Capac. cond./cond. per 1 m [pF]:	140-160	56-67	<60/56	<60	56/57	200/125	60	<60/<55
Capac. cond./shield. per 1 m [pF]:								
Shield. resistance per 1 km [Ω]:								
Cond. resistance per 1 km < [Ω]:						4.5		7.8/4.5

								
Name:	SC-ESPRIT SILVER	SC-DI-PHASE	SC-QUADRA BLUE	SC-POWERCORD	SC-STRATOS	SC-ALBEDO MKII	SC-CORONA	SC-AQUILA CONTROL
Page:	63	63	64	64	65	65	66	66
Type:	Speaker cable			Battery and ground cable	HiFi AF-phonos cable			
Jacket-Ø (outer dimension) [mm]:	10.2 x 4.8/ 12.0 x 5.9	9.2 x 4.2/ 10.5 x 4.6	15.0	6.8 - 13.0	8.5	5.9	6.7	20.0 x 4.0
Jacket color:	□	□	■	■	■	■	□	■
Conductor construction [mm²]:	2x2.5/2x4.0 AWG14/12	2x2.5/2x4.0 AWG14/12	4x4.0 AWG12	1x10.0-1x35.0	1x0.34 AWG22	2x0.20 AWG24	1x0.50 AWG21	4x0.14+2P
Conductor insulation:	PVC	PVC	S-PVC	PVC	PE/PP	PP	PE	
Copper spiral shielding:						■		■
Copper double spiral shielding:								
Copper-cross mesh shielding:			■		■		■	■
Foil shield/fleece shield, conductive:						■/-		■/-
Carbon shield:					■		■	
Drain wire:								
Digital:								
Halogen-free/FRNC/PUR:								
Mobile/Installation/ELA:	-/■/■	-/■/■	-/■/-	-/■/-	-/■/-	-/■/-		
Shielding factor:					100 %	100 %	100 %	
Capac. cond./cond. per 1 m [pF]:	<60/<55	57/56				65		
Capac. cond./shield. per 1 m [pF]:					75	110	75	60
Shield. resistance per 1 km [Ω]:						30		
Cond. resistance per 1 km < [Ω]:	7.8/4.5		4.5		53	148	53	

INSTALLATION CABLE

NYFAZ

SC-NYFAZ

⊗ INSTALLATION ⊗ ELA ⊗ HIFI

ANALOG

RATZ - FATZ - NYFAZ...

SC-NYFAZ cables are used for interior wiring of all imaginable types of electrical units. They often can be found in audio modules, such as speakers, effect units, in transmission technology, game machines, fast wiring of prototypes, and new developments, etc.

Wherever flexibility is not so important, but a low price is, we supply a dependable cable with durability made of oxygen-free copper (99.96 %).

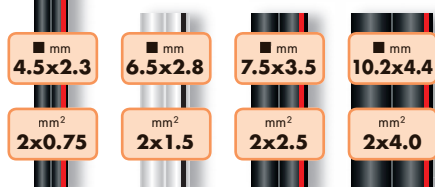
Available in the following colors:

■ black

Add to order

□ white

sw

(only 0.75 and 1.5 mm²)

APPLICATION:

- Development and fast wiring of prototypes
- Fixed installation in dry and closed buildings
- Interior wiring for electrical units

PRODUCT ADVANTAGES:

- Inconspicuous in color
- Good & reasonably priced
- Easy to work with
- "Memory"-effect, making it easy to install

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Jacket, outer dimension: PVC	4.5x2.3 mm	6.5x2.8 mm	7.5x3.5 mm	10.2x4.4 mm
No. of conductors:	2 x 0.75 mm ² (AWG19)	2 x 1.5 mm ² (AWG16)	2 x 2.5 mm ² (AWG14)	2 x 4.0 mm ² (AWG12)
Copper strand per cond.:	24 x 0.20 mm	84 x 0.20 mm	140 x 0.20 mm	226 x 0.20 mm
Temperature range:	-20 °C...+70 °C	-20 °C...+70 °C	-20 °C...+70 °C	-20 °C...+70 °C
Weight per 1 m:	21 g	40 g	58 g	101 g
Packaging:	100/500 m	100/500 m	100/500 m	100/500 m
	50 m ring on request			

ELECTRICAL DATA

Capac. cond./				
cond. per 1 m:	140 pF	140 pF	150 pF	160 pF
Insulation resist.				
per 1 km:	> 20 MΩ	> 20 MΩ	> 20 MΩ	> 20 MΩ

Ø	ORDER-NO.
2 x 0.75 mm ²	420-0075-Color
2 x 1.5 mm ²	420-0150-Color
2 x 2.5 mm ²	420-0250-Color
2 x 4.0 mm ²	420-0400-Color

SPEAKER CABLE

TWIN STRAND, STANDARD

SC-TWINCORD

⊗ STUDIO ⊗ INSTALLATION ⊗ HIFI

ANALOG

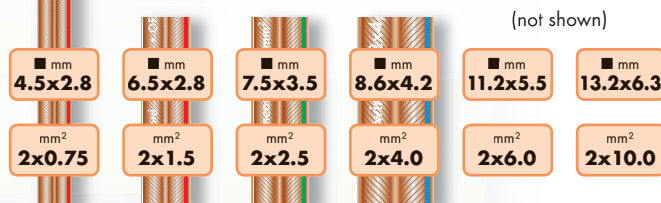
OFC

Transparency is called for...

not only for the jacket material, but also for sound transmission between HiFi-amplifiers and speakers. The **SC-TWINCORD** is a reasonable, but very dependable speaker cable with high quality copper and more dense stranding than the standard cable.

It also has a somewhat harder jacket material, so that it can be installed very easily, e.g. under your carpet or in areas of your apartment that are difficult to access.

The professional sound technician or soundman uses the **SC-TWINCORD** for fixed installation or for inside wiring of racks and speaker systems.



APPLICATION:

- Dependable HiFi-cable with durability
- Inside wiring of racks and HiFi-speakers
- Fixed installation in buildings, sound studios, etc.

PRODUCT ADVANTAGES:

- Good quality and a reasonable price
- Very flat and easy to install due to the "memory"-effect
- The plus pole has an identifying color strip

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Jacket, outer dimension: PVC,	4.5x2.8	6.5x2.8	7.5x3.5	8.6x4.2	11.2x5.5	13.2x6.3
No. of cond. [mm ²]:	2 x 0.75 (AWG19)	2 x 1.5 (AWG16)	2 x 2.5 (AWG14)	2 x 4.0 (AWG12)	2 x 6.0 (AWG10)	2 x 10.0 (AWG8)
Copper strand per cond. [mm]:	24x0.20	84x0.15	140x0.15	224x0.15	342x0.15	564x0.15
Temperature range:	-20 °C...+70 °C					
Fire load per m:	0.04 kWh	0.06 kWh	0.13 kWh	0.16 kWh	0.23 kWh	0.28 kWh
Weight per 1 m:	23 g	42 g	60 g	105 g	141 g	252 g
Packaging:	roll 200 m	200 m	200 m	100 m	100 m	100 m
	ring 25 m	25 m	25 m	25 m	25 m	25 m

ELECTRICAL DATA

Capac.						
cond./cond. per 1 m:	60 pF	67 pF	57 pF	56 pF	58 pF	62 pF
Insulation resist.						
per 1 km:	> 5 GΩ	> 5 GΩ	> 5 GΩ	> 5 GΩ	> 5 GΩ	> 5 GΩ

COLOR

□ transparent, 2 x 0.75 mm²

ORDER-NO.

400-0075□ transparent, 2 x 1.5 mm²**400-0150**□ transparent, 2 x 2.5 mm²**400-0250**□ transparent, 2 x 4.0 mm²**400-0400**□ transparent, 2 x 6.0 mm²**400-0600**□ transparent, 2 x 10.0 mm²**400-1000**

SPEAKER CABLE

TWIN STRAND, FLAT

SC-TRIBUN

☒ INSTALLATION
 ☒ ELA
 ☒ HIFI

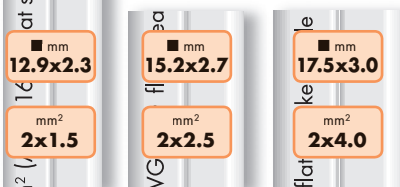
ANALOG
 OFC

The world is round...

and our speaker cable **SC-TRIBUN** is so flat that you can barely see it once it has been installed. It can be installed under carpets, behind decorative moldings, on the ceiling, and underneath furniture. The **SC-TRIBUN** is almost invisible. It is available in white, meaning that not even a mouse will recognise it! This makes it ideally suitable for building installation (for example, in hotels, bars, sporting arenas) and in churches.

The edges are slanted ensuring that your shoe will not get caught in it. The bottom is flat and finished to allow for application of double-sided adhesive tape.

The **SC-TRIBUN** can be easily split and is only 2 mm high!



APPLICATION:

- Fixed installation in building technology
- Fast and inconspicuous connection of HiFi-systems
- Church acoustics

PRODUCT ADVANTAGES:

- Good transmission quality due to the use of oxygen-free copper stranding
- Installation extremely flat and almost inconspicuous
- Incredibly flexible and easy to work with
- Designed like an ornamental molding, thus barely noticable
- Very reasonably priced

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Jacket, outer dimension: PVC,	12.9 x 2.3 mm	15.2 x 2.7 mm	17.5 x 3.0 mm
No. of conductors:	2 x 1.5 mm ²	2 x 2.5 mm ²	2 x 4.0 mm ²
AWG:	AWG16	AWG14	AWG12
Copper strand per cond.:	188 x 0.10 mm	315 x 0.10 mm	500 x 0.10 mm
Temperature range:	-30 °C...+70 °C	-30 °C...+70 °C	-30 °C...+70 °C
Weight per 1 m:	53 g	60 g	108 g
Packaging:	100/500 m	100/500 m	100/500 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	< 60 pF	< 60 pF	< 56 pF
Insulation resist. per 1 km:	4.5 GΩ	4.5 GΩ	4.5 GΩ

COLOR/Ø

- ☐ white, 2 x 1.5 mm²
☐ white, 2 x 2.5 mm²
☐ white, 2 x 4.0 mm²

ORDER-NO.

415-0310
425-0310
440-0310

SPEAKER CABLE

TWIN-LITZ, SUPER FLAT WITH ADHESIVE STRIPS

SC-FLUKOS „SF“

☒ INSTALLATION
 ☒ ELA
 ☒ HIFI

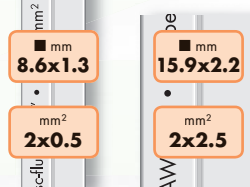
ANALOG
 OFC

Just like a fly...

the **SC-FLUKOS „SF“** sticks to the wall. The cable can be installed almost invisibly, because it is incredibly thin. Version 2 x 0.5 mm² is ideal for installation in HiFi-home studios, restaurants, and churches. It is only 1.3 mm high (2 x 2.5 mm² = 2.2 mm)!

The trick is that the conductors are of rolled copper hosing, which not only reduces the size, but also offers very good electrical values as a positive side effect. A practical little gimmick is the peelable adhesive strip at the back of the cable, allowing it to be installed on the wall or underneath the carpet rail without additional aids.

For these reasons the **SC-FLUKOS „SF“** has won lots of friends in the area of home entertainment or for transmission of 5.1 productions.



APPLICATION:

- For fixed installation in building technology
- For fast, invisible connection of your HiFi-system
- Church acoustics

PRODUCT ADVANTAGES:

- Good transmission quality due to the use of oxygen-free copper litz
- Extremely flat and almost invisible to install
- Incredibly flexible and easy to work with
- Designed like a decorative strip, therefore almost invisible
- Very reasonably priced

TECHNICAL DATA

Jacket, outer dimension: PVC,	8.6 x 1.3 mm	15.9 x 2.2 mm
No. of conductors:	2 x 0.50 mm ²	2 x 2.5 mm ²
AWG:	AWG21	AWG14
Copper strand per cond.:	64 x 0.10 mm	315 x 0.10 mm
Temperature range:	-30 °C...+70 °C	-30 °C...+70 °C
Fire load per m:	0.03 kWh	0.15 kWh
Weight per 1 m:	20 g	75 g
Packaging:	100 m	100 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	< 60 pF	< 60 pF
Insulation resist. per 1 km:	4.5 GΩ	4.5 GΩ

COLOR/Ø

- ☐ white, 2 x 0.5 mm²
☐ white, 2 x 2.5 mm²

ORDER-NO.

462-0100-205
462-0100-225

SPEAKER CABLE

FOUR-WAY, HIGH-END

SC-AXOS

☒ STUDIO
 ☒ INSTALLATION
 ☒ HIFI

☒ ANALOG
 ☒ OFC

Now you no longer have to stay on the carpet...

because the new **SC-AXOS** also looks good underneath! Everyone looking for a high-end class cable who does not want it lying around in the living room will be very happy with the super flat **SC-AXOS**.

It has all the advantages of a high-end cable, such as e.g. a fast impulsive rendition, a low performance loss, and a very homogenous sound image. And despite the power inside it can be hidden very well in your living room or even your car.

Understatement is currently "IN"!

■ mm
3.1x14.0

■ mm
3.3x21.0

mm²
4x1.5

mm²
4x2.5

APPLICATION:

- Connection of phono and car-HiFi-systems
- Home recording
- Fixed installation

PRODUCT ADVANTAGES:

- Extremely flat to install
- High transmission quality in an extremely flat design
- Homogenous sound image due to the special copper stranding technique
- Excellent high sound transmission even over long distances
- No tripping and a lot of saved space
- Stereo or bi-wiring connection with one cable

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Jacket, outer dimension:	PVC 3.1 x 14.0 mm	PVC 3.3 x 21.0 mm
No. of conductors:	4 x 1.5 mm ² (AWG14)	4 x 2.5 mm ² (AWG12)
Copper strand per conductor:	84 x 0.15 mm	140 x 0.15 mm
Temperature range:	-20 °C...+70 °C	-20 °C...+70 °C
Fire load per m:	0.17 kWh	0.21 kWh
Weight per 1 m:	140 g	155 g
Packaging:	50 m/100 m roll	50 m/100 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	57 pF	56 pF
Insulation resist. per 1 km:	> 5 GΩ	> 5 GΩ

COLOR

- ☐ transparent, 4 x 1.5 mm²
☐ transparent, 4 x 2.5 mm²

ORDER-NO.

415-0379
425-0379

SPEAKER CABLE

TWINAXIAL, ROUND

SC-CHRONOS

☒ STUDIO
 ☒ INSTALLATION
 ☒ HIFI

☒ ANALOG
 ☒ OFC

Designed like a candy cane...

that is the new **SC-CHRONOS**. It is one of the most legendary speaker cables for car-HiFi-application, and there hardly is a person alive taking pride in himself or his car who has not yet installed this cable in his car.

With its typical twin-axial shape the **SC-CHRONOS** offers everything that the home-HiFi-purists desire: An extremely fast impulse behaviour, a small loss in performance, and impressive transmission of the bass range. This is represented by the "visible" and extremely dense stranding on the wire pairs and the fine-wired construction of the oxygen-free copper litz (OFC).

Everyone who cares about brand recognition naturally can use the **SC-CHRONOS** to connect his home entertainment system.

Ø mm
9.0

Ø mm
11.5

mm²
2x2.5

mm²
2x4.0

APPLICATION:

- Ambitious car-HiFi-installation
- Connection of phone and car-HiFi-systems
- Fixed installation

PRODUCT ADVANTAGES:

- Loss-free signal transmission even across long distances due to the use of tightly stranded copper litz
- High flexibility and simple installation due to the twin-axial construction
- Extremely fast impulse behaviour and powerful bass transmission
- Designed with high brand recognition
- No moisture pick-up due to the sprayed round jacket

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	(2LIY2.5mm ²)Y	(2LIY4.0mm ²)Y
Jacket, diameter:	PVC 9.0 mm	PVC 11.5 mm
No. of conductors:	2 x 2.5 mm ² (AWG14)	2 x 4.0 mm ² (AWG11)
Copper strand per conductor:	140 x 0.15 mm	225 x 0.15 mm
Conductor insulation:	PVC 2.9 mm	PVC 3.5 mm
Temperature range:	-30 °C...+70 °C	-30 °C...+70 °C
Fire load per m:	0.33 kWh	0.46 kWh
Weight per 1 m:	85 g	135 g
Packaging:	50 m/100 m roll	

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	200 pF	125 pF
Cond. resistance per 1 km:	< 4.5 Ω	< 4.5 Ω
Insulation resist. per 1 km:	> 5 MΩ	> 5 MΩ

COLOR

- ☐ transparent, 2 x 2.5 mm²
☐ transparent, 2 x 4.0 mm²

ORDER-NO.

425-0339
440-0339

SPEAKER CABLE

TWIN STRAND, HIGHLY FLEXIBLE

SC-PRISMA

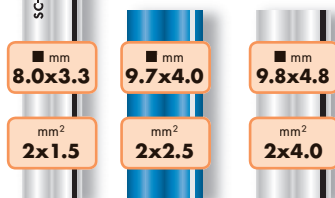
 STUDIO
  INSTALLATION
  HIFI

 ANALOG
  OFC

Less is more...

That's what many HiFi-enthusiasts say, and for twin cables they prefer even smaller and finer individual stranding. This increases the conductor surface and provides even more dynamic and true listening pleasure.

Aside from the individual stranding the **SC-PRISMA** is very similar to the **SC-TWINCORD**, but has a somewhat more detailed finish and is available in more color combinations.



APPLICATION:

- A dependable HiFi-cable with a long life
- Inside wiring of racks and HiFi-speakers
- Fixed installation inside buildings, sound studios, etc.

PRODUCT ADVANTAGES:

- Easy to install due to the flatness and the "memory" effect
- Plus pole identification by a colored strip
- Available in different colors
- Very neutral audio transmission

FREE SAMPLE AVAILABLE!

TECHNICAL DATA	PRISMA 215	PRISMA 225	PRISMA 240
Jacket, outer dimension:	8.0 x 3.3 mm	9.7 x 4.0 mm	9.8 x 4.8 mm
AWG:	AWG16	AWG14	AWG12
Inner conductors:	2 x 1.5 mm ²	2 x 2.5 mm ²	2 x 4.0 mm ²
Copper strand per cond.:	191 x 0.10 mm	322 x 0.10 mm	511 x 0.10 mm
Temperature range:	-30 °C...+70 °C	-30 °C...+70 °C	-30 °C...+70 °C
Fire load per m:	0.11 kWh	0.17 kWh	0.21 kWh
Weight per 1 m:	47 g	65 g	110 g
Jacket color:	☒ blue (add "BL" when ordering) ☐ white (add "WS" when ordering)		
Packaging (roll):	250 m	100 m	100 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m: 60 pF
 Insulation resist. per 1 km: > 5 GΩ

COLOR/Ø

 blue, 2 x 1.5 mm ²	ORDER-NO. 401-0150-BL
☐ white, 2 x 1.5 mm ²	401-0150-WS
 blue, 2 x 2.5 mm ²	401-0250-BL
☐ white, 2 x 2.5 mm ²	401-0250-WS
☐ white, 2 x 4.0 mm ²	401-0400-WS

SPEAKER CABLE

TWIN STRAND, HIGH END

SC-ORBIT 225 / 240 / 2100 MKII

 STUDIO
  INSTALLATION
  HIFI

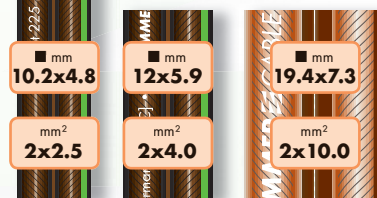
 ANALOG
  OFC

You can hear the grass grow...

with the **SC-ORBIT**, no problem. If you care for true natural sound and dynamics, then the **SC-ORBIT** is your cable. At the end of the audio signal path is the speaker, but how the music gets there really does matter. You already have the good speaker, now all you need is the cable – and the difference is noticeable!

Here too we offer top quality with an attractive design, because the cable is often installed where it can be seen – or invisible, as flat as possible.

Because of the very dense stranding the copper strand provides the necessary surface for clean transmission of the high-frequency sound ranges. The individual wires are counter-braided. So this cable always returns to its original position, even after extreme twisting.

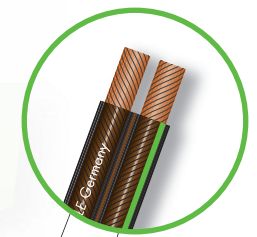


APPLICATION:

- Connection to HiFi-high end speaker systems
- Inside wiring of HiFi-speakers and PA-systems
- For fixed installation
- Car HiFi-connection

PRODUCT ADVANTAGES:

- Absolutely neutral transmission quality due to fine copper stranding
- High flexibility and easy to wind due to the rubberlike PVC-jacket
- A fine finish with a black transparent outer jacket
- Very low ohm values due to special stranding



Special counter-rotating stranding made of fine 0.07 mm individual strands for optimized sound

FREE SAMPLE AVAILABLE!

TECHNICAL DATA	ORBIT 225	ORBIT 240	ORBIT 2100
Jacket, outer dimension: PVC,	10.2 x 4.8 mm	12 x 5.9 mm	19.4 x 7.3 mm
No. of conductors:	2 x 2.5 mm ²	2 x 4.0 mm ²	2 x 10.0 mm ²
AWG:	AWG14	AWG12	AWG8
Copper strand per cond.:	651 x 0.07 mm	1036 x 0.07 mm	864 x 0.10 mm
Temperature range:	-30 °C...+70 °C	-30 °C...+70 °C	-30 °C...+70 °C
Fire load per m:	0.17 kWh	0.21 kWh	0.29 kWh
Weight per 1 m:	83 g	121 g	277 g
Packaging:	100 m roll 25 m ring	100 m roll 25 m ring	100 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m: < 60 pF < 55 pF < 55 pF
 Cond. resistance per 1 km: < 7.8 Ω < 4.5 Ω < 4.5 Ω
 Insulation resist. per 1 km: > 10 MΩ > 10 MΩ > 10 MΩ

COLOR/Ø

 black transparent, 2 x 2.5 mm ²	ORDER-NO. 425-0151
 black transparent, 2 x 4.0 mm ²	440-0151
☐ transparent, 2 x 10.0 mm ²	441-0151

SPEAKER CABLE

TWIN STRAND, HIGH END, SILVER-PLATED

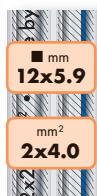
SC-ESPRIT SILVER

☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA
 ☒ HIFI

☒ ANALOG
 ☒ OFC

Not all is gold...

that shines. Some HiFi-experts prefer speaker cables with fine silver-plated copper stranding. Based on the outstanding conductive value silver cables like the **SC-ESPRIT SILVER** have very precise high range transmission, thus being especially suitable to "hipe up" consumer systems, high quality car HiFi-components, or the high ranges of somewhat conservative HiFi-components.



NOW CONTAINING
70% MORE SILVER!

APPLICATION:

- Connection of phono und car-HiFi-systems
- Home recording

PRODUCT ADVANTAGES:

- Good transmission quality for mid and high ranges through the use of fine copper stranding and silver plating
- Excellent high renditon due to silver-plated copper stranding

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Jacket, outer dimension:	PVC, 10.2 x 4.8 mm	PVC, 12 x 5.9 mm
No. of conductors:	2 x 2.5 mm ² (AWG14)	2 x 4.0 mm ² (AWG12)
Copper strand per conductor:	322 x 0.10 mm	511 x 0.10 mm
Temperature range:	-30 °C...+70 °C	-30 °C...+70 °C
Weight per 1 m:	83 g	121 g
Packaging:	100 m roll	100 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	< 60 pF	< 55 pF
Cond. resistance per 1 km:	< 7.8 Ω	< 4.5 Ω
Insulation resist. per 1 km:	> 10 MΩ	> 10 MΩ

COLOR/Ø

- ☐ transparent, 2 x 2.5 mm²
☐ transparent, 2 x 4.0 mm²

ORDER-NO.

425-0309
440-0309

SPEAKER CABLE

TWIN STRAND, HIGH END

SC-DI-PHASE

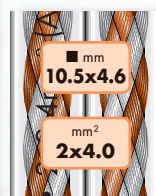
☒ STUDIO
 ☒ ELA
 ☒ HIFI

☒ ANALOG
 ☒ OFC

It will bring color into your life...

when you hook your HiFi-amplifier and your speakers up with this cable. Each frequency range has it's very own copper stranding at a predefined distance. The first strand consists of a copper litz coated with pure silver intended for the transmission of especially the high sounds. The second strand of shiny copper ensures linear transmission of the mid ranges and will tickle the last bit of bass out of your system.

The **SC-DI-PHASE** is recommended to connect phono consumer and high end systems up to high quality CAR HiFi-systems.



APPLICATION:

- Connection of phone and car-HiFi-systems
- Home recording
- ELA- and studio technology

PRODUCT ADVANTAGES:

- High transmission quality due to the use of fine wired copper litz
- Dynamic sound image due to separately coated copper stranding
- Excellent high sound transmission due to the silver-coated copper litz

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Jacket, outer dimension:	PVC 9.2 x 4.2 mm	PVC 10.5 x 4.6 mm
No. of conductors:	2 x 2.5 mm ² (AWG14)	2 x 4.0 mm ² (AWG12)
Copper strand per conductor:	650 x 0.07 mm	1039 x 0,07 mm
Temperature range:	-20 °C...+70 °C	-20 °C...+70 °C
Fire load per m:	0.17 kWh	0.21 kWh
Weight per 1 m:	60 g	104 g
Packaging:	50 m/100 m roll	50 m/100 m roll

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	57 pF	56 pF
Insulation resist. per 1 km:	> 5 GΩ	> 5 GΩ

COLOR

- ☐ transparent, 2 x 2.5 mm²
☐ transparent, 2 x 4.0 mm²

ORDER-NO.

425-0359
440-0359

SPEAKER CABLE HIGH-END

MULTICORE

SC-QUADRA BLUE

☒ STUDIO
 ☒ INSTALLATION
 ☒ HIFI

ANALOG

OFC

A light at the end of the tunnel...

will appear in front of your eyes when you connect the new **SC-QUADRA BLUE** to your reference-HiFi-system.

Harmony not only in design, but also in sound is what the **SC-QUADRA BLUE** will offer to you: an absolutely linear cable tempting you to play and experiment, as a bi-amping as well as bi-wiring connection or just as a simple input cable.

We have stranded the super fine copper litz to utilize the advantages of the solid copper wires. This results in outstanding conductivity and excellent damping values, which are especially important for longer lengths. Even for excessive lengths the **SC-QUADRA BLUE** works with almost no loss.

Allow yourself and your HiFi-system one of the best and most beautiful speaker cables we were able to develop over the last ten years.

Ø mm
15.0

mm²
4x4.0

APPLICATION:

- High quality HiFi-speaker multicore for higher demands
- Connection of bi-amping and bi-wiring components

PRODUCT ADVANTAGES:

- Extremely fast and linear transmission even for excessive lengths
- Very easy to work with
- Many possibilities for connection (bi-amping, bi-wiring, twin-axial input)

TECHNICAL DATA

Construction:	(4LIY4.0mm ²)Y
Jacket, diameter:	PVC 15.0 mm
No. of conductors:	4 x 4.0 mm ² (AWG12)
Copper strand per conductor:	500 x 0.10 mm
Conductor insulation:	S-PVC 3.5 mm
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.55 kWh
Weight per 1 m:	285 g
Packaging:	50 m roll, per m

ELECTRICAL DATA

Cond. resistance per 1 km:	< 4.5 Ω
Insulation resist. per 1 km:	> 5 MΩ

COLOR

☒ aqua blue

ORDER-NO.

485-0052-440

FREE SAMPLE
 AVAILABLE!

BATTERY AND GROUNDING CABLE

CAR-HIFI POWER

SC-POWERCORD

☒ INSTALLATION
 ☒ HIFI

ANALOG

OFC

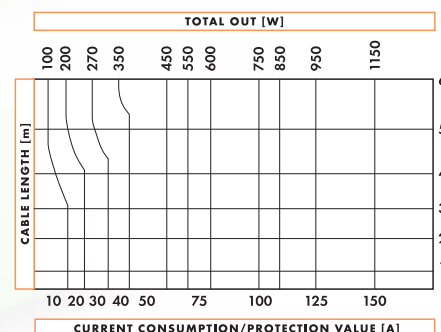
Exciting entertainment...

sometimes even in the car, especially musically.

It does not matter, if loud – or not so loud, if trendy music or classical – the **SC-POWERCORD** ensures a safe and stable power supply for your audio components.

Depending on the supply performance, diameters of 10 to 35 mm² are available. A solid PVC-jacket offers optimum insulation against moisture and wear.

The oxygen-free copper stranding is very fine and tightly braided, so that the performance data is almost as good as for a solid wire and with high installation flexibility.



APPLICATION:

- High quality and stable power connection for audio components and batteries in cars
- Also suitable as a high quality speaker cable

PRODUCT ADVANTAGES:

- High performance stability due to the fine copper bundling and optimized standing angle – also for installation around corners
- Resistant against wear and cutting due to the stable PVC-jacket

TECHNICAL DATA

Jacket, diameter: PVC,	6.8 mm	10.0 mm	13.0 mm
No. of conductors:	1x10.0 mm ²	1x20.0 mm ²	1x35.0 mm ²
Copper strand per conductor:	566 x 0.15 mm	1132 x 0.15 mm	1981 x 0.15 mm
Temperature range:	-30 °C...+80 °C	-30 °C...+80 °C	-30 °C...+80 °C
Weight per 1 m:	120 g	200 g	400 g
Color:	■ red: add "rt" when ordering ■ blue: add "bl" when ordering		
Packaging:	50 m roll	25 m roll	25 m roll

ELECTRICAL DATA

Test voltage:	2 kV	2 kV	2 kV
Insulation resist. per 1 km:	1 MΩ	1 MΩ	1 MΩ

ORDER-NO.

701-1000-COLOR

701-1600-COLOR

701-2000-COLOR

701-2500-COLOR

701-3500-COLOR

INNER CONDUCTOR

1 x 10.0 mm²

1 x 16.0 mm²

1 x 20.0 mm²

1 x 25.0 mm²

1 x 35.0 mm²

FREE SAMPLE
 AVAILABLE!

HIFI AF-PHONO CABLE

UNBALANCED

SC-STRATOS

 STUDIO
  INSTALLATION
  HIFI

ANALOG

OFC

Honesty pays off...

That becomes apparent when you take a closer look at some HiFi-cables after a few years of use: even on a phono cable costing 200 € the jacket will get porous, the insulation will shrink, and the copper will oxidize. After all, most cables will be exposed to enormous heat and aggressive fumes by the constantly "cooking" transformers. This often affects the phono cables even after a short period of time, changing the technical and electrical values.

Not with our **SC-STRATOS**: not only the electrical equipment conforms to the properties of the high end systems, but also the sound quality. The **SC-STRATOS** sounds incredibly natural, airy, unobtrusive, and offers complete silence during musical breaks.

The **SC-STRATOS** is perfectly protected against electro-magnetic interference due to multiple shielding (braiding + semiconductor). For heat extraction, special plastic fibres were braided in with the cross-mesh and a heat resistant jacket material with longevity was used. The copper strand has special conductor smoothing for increased conductivity. The **SC-STRATOS** was insulated with a durable and microscopically fine PE/PP-mixture.

Ideal for the connection between CD-players, DAT/DVD-recorders, and pre-amplifiers to power amplifiers.

Ø mm
8.5

Shielding
100%

mm²
1x0.34

APPLICATION:

- Phono cable for highest demands

PRODUCT ADVANTAGES:

- Very natural and lively sound image
- Multiple shielding against AF- and RF-interference
- Durable and dependable in maintaining electrical data
- No problems adapting to auxiliary components by different manufacturers

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	(LIHS09YHS1x0.34mm ²)DY
Jacket, diameter:	PVC, 8.5 mm
Inner conductors:	1 x 0.34 mm ² (AWG22)
Copper strand per conductor:	7 x 0.25 mm
Conductor insulation:	PE/PP
Shielding:	Copper braided shielding + semiconductor
Shielding factor:	100 %
Temperature range:	-20 °C...+80 °C
Fire load per m:	0.25 kWh
Weight per 1 m:	55 g
Packaging:	per m

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	75 pF
Cond. resistance per 1 km:	< 53 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

■ black

ORDER-NO.

800-0056

HIFI AF-PHONO CABLE

BALANCED

SC-ALBEDO MKII

 STUDIO
  INSTALLATION
  HIFI

ANALOG

OFC

When a pin drops...

and we can hear it hit the ground we not only have excellent hearing, but certainly excellent HiFi-components in the stereo cabinet. We have developed the reference cable **SC-ALBEDO MKII** for the highest demands and listening pleasure.

The **SC-ALBEDO MKII** is especially distinguished itself due to the newly developed conductor smoothing of the copper surface, with 100 % dense multiple shielding and a lively and detailed performance. The insulation consists of a polypropylen-mixture. The outer densely stranded and tin-plated spiral shielding and the coated aluminum foil provide very good protection against RF- and AF-interference.

The **SC-ALBEDO MKII** has very good capacitive values and a low conductive resistance due to the use of dense braiding and fine individual stranding (0.05 mm), as we expect even from a reference cable. And the **SC-ALBEDO MKII** - this will just delight you - is affordable. Both conductors are commonly soldered to plus pole/Pin 1: ideal for the connection of CD-players, tuners, video recorders to amplifiers. Ground on Pin 1, RED on Pin 2, WHITE on Pin 3: ideal for the connection of pre-amplifier and power amplifiers.

Ø mm
5.9

Shielding
100%

mm²
2x0.20

APPLICATION:

- Phono cable for higher demands

PRODUCT ADVANTAGES:

- Extremely clean transmission
- Small diameter
- Very affordable
- Balanced switching possible

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	(2LI2Y0.20mm ²)(ST)DY
Jacket, diameter:	PVC, 5.9 mm
Inner conductors:	2 x 0.20 mm ² (AWG24)
Copper strand per conductor:	102 x 0.05 mm
Conductor insulation:	PP
Shielding:	Copper spiral shielding + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.13 kWh
Weight per 1 m:	32 g
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF
Capac. cond./shield. per 1 m:	110 pF
Cond. resistance per 1 km:	< 148 Ω
Shield. resistance per 1 km:	30 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

■ green

ORDER-NO.

800-0104

HIFI AF-PHONO CABLE

UNBALANCED

SC-CORONA

 **STUDIO**
 **HIFI**
 **ANALOG**
 **OFC**

A real jewel...

with an impressively fine resolution is the new **SC-CORONA**, designed for systems that need a little help in the way of music. Even systems costing 1000 € will live up with this connection and our testers awarded the **SC-CORONA** the predicate: "Fast, clear, and clean".

This is achieved through co-axial construction with a large wire diameter and the phenomenal shielding made of dense copper braiding, as well as the semiconductor made of carbon. The low capacity may tempt some musicians to "misuse" the **SC-CORONA** as a good sounding high-end guitar cable. Because of the high flexibility and the good winding properties the **SC-CORONA** is an absolute sleeper among guitarists...

The **SC-CORONA** is a reasonably priced cable with "HiFinesse" and is also offered as a premade cable in Chapter "Cables for HiFi & Home Application"!

Ø mm
6.7

Shielding
100%

mm²
1x0.50

APPLICATION:

- Connection of phone and car-HiFi-systems
- High-end instrument and guitar cable

PRODUCT ADVANTAGES:

- Clean and precise sound image due to the dense copper litz
- Extremely fast impulse behavior and a spacy image
- Exquisite design with high brand recognition
- 100 % Shielding due to dense copper braiding and carbon shielding

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	(LIHS09YHS1x0.50mm ²)CY
Jacket, diameter:	PVC 6.7 mm
Inner conductors:	1 x 0.50 mm ² (AWG21)
Copper strand per conductor:	28 x 0.15 mm
Conductor insulation:	PE
Shielding:	Copper braided shielding + semiconductor
Shielding factor:	100 %
Temperature range:	-20 °C...+80 °C
Fire load per m:	0.25 kWh
Weight per 1 m:	55 g
Packaging:	50 m roll, per m

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	75 pF
Cond. resistance per 1 km:	< 53 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

☐ transparent

ORDER-NO.
800-0079

HIFI AF-PHONO CABLE

FOUR-WAY UNBALANCED, WITH 2 CONTROL WIRES

SC-AQUILA CONTROL

 **STUDIO**
 **HIFI**
 **ANALOG**
 **OFC**

Quite a temper...

for the car, that's what the **SC-AQUILA CONTROL** is. The main problem in the car is and always will be the shielding. A cinch cable can be as sophisticated as can be, this will not be sufficient when interfering electronics "destroy" the signal.

The new super flat cable **SC-AQUILA CONTROL** is protected against all of this, intended for simultaneous connection of four cinch connectors (2 x left/right + 2 control cables), where control wires for the CD-changer or other components are needed simultaneously.

Despite the small diameter the cable is a fast, clean cable without individual sound, due to the use of a high quality foamed PE-material. Thus, it even makes for a good impression on the HiFi-system in your living room.

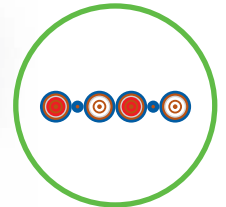
For the 2-wire version, see "Unbalance Cables" **SC-SINUS CONTROL**.

■ mm
20x4.0

Shielding
100%

mm²
4x0.14+C

Section

**APPLICATION:**

- Connection of phone and car-HiFi-systems

PRODUCT ADVANTAGES:

- Neutral and precise sound image without individual sound
- Extremely flat and space-saving
- Exquisite design with high brand recognition
- Two control wires for the CD-changer or use of a „ground lift“ for the turntable are included

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Jacket, outer dimension:	PVC 20.0 x 4.0 mm
No. of conductors:	4 x 0.14 mm ² + 2 x Control 0.14 mm ²
Copper strand per conductor:	18 x 0.10 mm
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.44 kWh
Weight per 1 m:	85 g
Packaging:	50 m roll

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	60 pF
Insulation resist. per 1 km:	> 5 GΩ

COLOR

☒ aqua blue

ORDER-NO.
800-0152