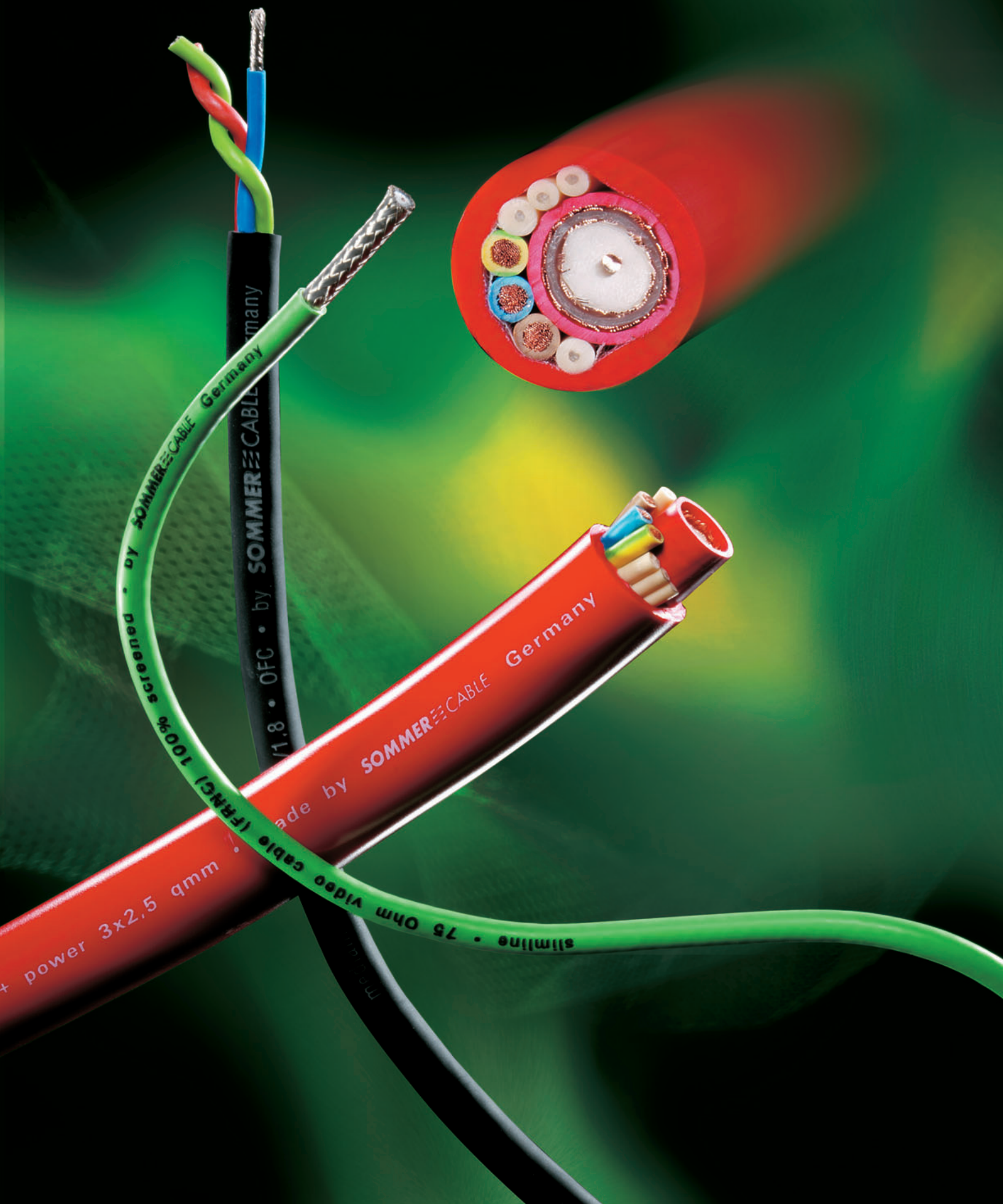
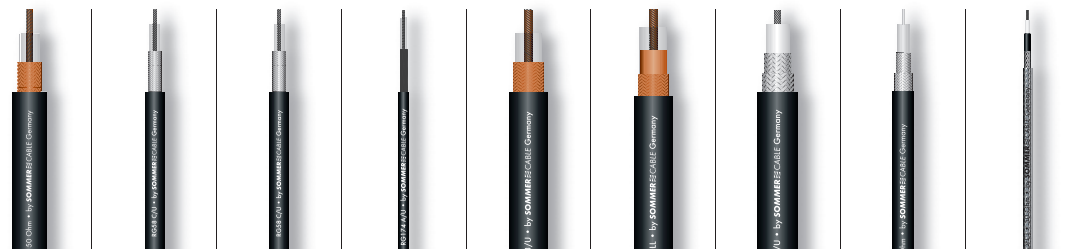


BULK CABLES – VIDEO



OVERVIEW BULK CABLES VIDEO



Name:	RG8/U	RG58C/U	RG58C/U LL	RG174A/U	RG213/U	RG213/LL	RG214/U	RG223/U	RG316/U
Page:	74	74	74	74	75	75	75	75	75
Type:	RG/U Coaxial Cable 50 Ω								
Jacket-Ø (outer dimension) [mm]:	9.5	4.95	5.0	2.6	10.3	10.2	10.8	5.5	2.5
Conductor construction [mm²]:	7 x 0.72	19 x 0.18	1 x 1.02	7 x 0.16	7 x 0.76	7 x 0.76	7 x 0.75	1 x 0.9	7 x 0.17
	AWG13	AWG21	AWG18	AWG26	AWG13	AWG13	AWG13	AWG19	AWG34
Solid wire:								■	
Insulation:	PE	PE	Cell-PE	PE	PE	Cell-PE	PE	PE	PTFE
Copper spiral shielding:									
Copper-cross mesh shielding:	■	■	■	■	■	■	■	■	■
Foil shield:									
Fleece shield, conductive:									
HD-SDI/HDTV:									
Halogen-free/FRNC/PUR:		■/■/-							
AQUA/E30/TERRA:									
Mobile/Installation/ELA:	-/■/■	-/■/■	-/■/■	-/■/■	-/■/■	-/■/■	-/■/■	-/■/■	-/■/■
Shielding factor:	92 %	92 %	92 %	92 %	92 %	100 %	95 %	100 %	95 %
Capac. cond./shield. per 1 m [pF]:	101	101	82	101	101	82	101	101	95
Surge impedance [Ω]:	50	50	50	50	50	50	50	50	50
Velocity factor:	0.66	0.66	0.66	0.66	0.66	0.81	0.66	0.66	0.66
Damping per 100 m at 100 MHz [dB]:	8.0	17.0	10.3	30.0	7.0	4.3	6.7	17.0	28.0

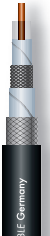
Color:	Type:	ORDER-NO.								
■ black	PVC	600-0511	600-0401	600-0411	600-0501	600-0551	600-0551LL	600-0571	600-0591	-
	FRNC	-	600-0401F	-	-	-	-	-	-	-
□ transparent	PTFE	-	-	-	-	-	-	-	-	600-0549

									
Name:	RG6A/U	RG11A/U	RG59B/U	RG179A/U FEP	RG216/U	SC-RG CLASSIC BROADCAST SERIES	SC-ASTRAL	SC-ASTRAL-LLX 120 dB	SC-MONOMAX
Page:	76	76	76	76	76	77	77	78	79
Type:	RG/U Coaxial Cable 75 Ω					Broadcast video- & Sat cable	SAT cable	SAT cable SDI/HDTV	Video cable 0.3L/1.8
Jacket-Ø (outer dimension) [mm]:	8.4	10.5	6.2	2.8	11.0	4.2 - 10.16	3.6-12.5	6.8/15 x 10	2.6
Conductor construction [mm²]:	1 x 0.72	7 x 0.4	1 x 0.60	7 x 0.1	7 x 0.4	1 x 0.60 - 1 x 1.60	1 x 0.5 - 4 x 0.7/2.9	1 x 1.13	1 x 0.32
	AWG21	AWG18	AWG23	AWG30	AWG18	AWG23-14	AWG24-18	AWG19	AWG28
Solid wire:	■		■			■	■	■	■
Insulation:	PE	PE	PE	PTFE	PE	Gas Injected-PE	Skin-PE	Skin-PE	Cell-PE
Copper spiral shielding:									
Copper-cross mesh shielding:	■	■	■	■	■	■	■	■	■
Foil shield:						■	■	■	
Fleece shield, conductive:									
HD-SDI/HDTV:						■/■	■	■	
Halogen-free/FRNC/PUR:									
AQUA/E30/TERRA:									
Mobile/Installation/ELA:	-/■/■	-/■/■	-/■/■	-/■/■	-/■/■	-/■/■	-/■/-	-/■/-	-/■/-
Shielding factor:	100 %	92 %	92 %	92 %	100 %	100 %	100 %	100 %	95 %
Capac. cond./shield. per 1 m [pF]:	67	67	67	63	67				56
Surge impedance [Ω]:	75	75	75	75	75	75	75	75	75
Velocity factor:	0.66	0.66	0.66	0.7	0.66			0.85	
Damping per 100 m at 100 MHz [dB]:	8.8	7.5	11.5	28.0	7.5		6.3 - 15.7	5.5	21.5

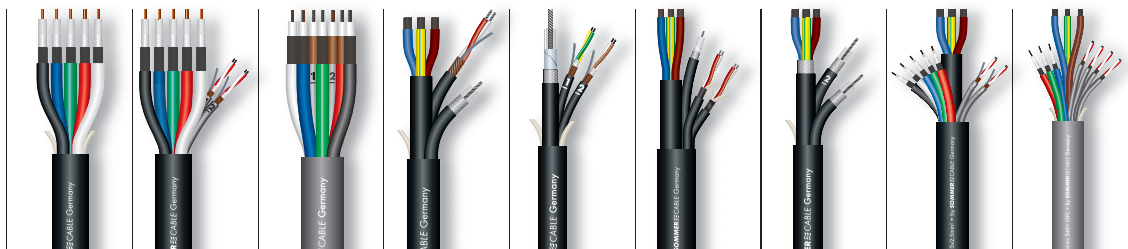
Color:	Type:	ORDER-NO.								
■ black	PVC	600-0581	600-0471	600-0451	-	600-0561	-	-	-	-
	antistatic-PVC	-	-	-	-	-	-	-	-	600-0251-01
□ transparent	PVC	-	-	-	600-0529	-	-	-	-	-
□ white	1 x 0.5 mm	-	-	-	-	-	-	600-0920	-	-
	1 x 0.65 mm	-	-	-	-	-	-	600-0970	-	-
	2 x 0.75 mm	-	-	-	-	-	-	600-0980	-	-
	4 x 0.65 mm	-	-	-	-	-	-	600-0990	-	-
	1 x 1.13 mm	-	-	-	-	-	-	-	600-0960LLX	-
	4 x 2 x 0.22 mm²	-	-	-	-	-	-	-	600-0960LLX-DH	-
	antistatic-PVC	-	-	-	-	-	-	-	-	600-0250-01
■ blue	antistatic-PVC	-	-	-	-	-	-	-	-	600-0252-01
■ red	antistatic-PVC	-	-	-	-	-	-	-	-	600-0253-01
■ green	antistatic-PVC	-	-	-	-	-	-	-	-	600-0254-01
	PVC, 1 x 0.60 mm	-	-	-	-	-	605-0104-0628	-	-	-
	PVC, 1 x 0.80 mm	-	-	-	-	-	605-0104-0835	-	-	-
	PVC, 1 x 1.00 mm	-	-	-	-	-	605-0104-1048	-	-	-
	PVC, 1 x 1.60 mm	-	-	-	-	-	605-0104-1670	-	-	-
	FRNC, 1 x 0.60 mm	-	-	-	-	-	605-0104-0628F	-	-	-
	FRNC, 1 x 0.80 mm	-	-	-	-	-	605-0104-0835F	-	-	-
	FRNC, 1 x 1.00 mm	-	-	-	-	-	605-0104-1048F	-	-	-
	FRNC, 1 x 1.60 mm	-	-	-	-	-	605-0104-1670F	-	-	-

								
Name:	SC-SLIMLINE L / M	SC-FOCUSLINE M/L HIGHFLEX	SC-FOCUSLINE MS/MSF HIGHFLEX	SC-FOCUSLINE PUR	SC-VECTOR 0.8/3.7	SC-VECTOR 2x/4x/8x0.8/3.7	SC-VISIONLINE	SC-VECTOR PLUS 1.2/5.0/5x1.2/5.0
Page:	79	80	80	81	81	81	82	82
Type:	Video cable 0.6/2.8	Video cable 0.6/3.7		Video cable 0.75/3.4 PUR	Video cable 0.8/3.7 SDI/HDTV	Video cable 2x/4x/8x0.8/3.7	Video cable 1.0/6.6	Video cable 1.2/5.0/5x1.2/5.0
Jacket-Ø (outer dimension) [mm]:	4,6	6.2	6.2	5.8	6.0	18.5 - 23.0	9.1	6.95/23.0
Conductor construction [mm²]:	1 x 0.60/ 7 x 0.20 AWG24	1 x 0.60 AWG23	1 x 0.60 AWG23	7 x 0.254 AWG22	1 x 0.80 AWG21	x 1 x 0.80 AWG21	1 x 1.0 AWG19	7 x 0.40 AWG18
Solid wire:	■	■	■		■	■	■	
Insulation:	PE	PE	PE	Skin-PE	Gas injected PE	Gas injected PE	PE	Foam PE
Copper spiral shielding:								
Copper-cross mesh shielding:	■	■	■	■	■	■	■	■
Foil shield:	■				■	■		■
Fleece shield, conductive:			■					
HD-SDI/HDTV:	■		■		■	■		■
Halogen-free/FRNC/PUR:	■/■/-	-/-/-	-/■/-	■/-/■	■/■/-	■/-/-	-/-/-	■/■/-
AQUA/E30/TERRA:								
Mobile/Installation/ELA:	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	-/■/■	■/■/■
Shielding factor:	100 %	100 %	100 %	75 %	100 %	100 %	92 %	100 %
Capac. cond./shield. per 1 m [pF]:	58	67	67	55	54	54	58	52
Surge impedance [Ω]:	75	75	75	75	75	75	75	75
Velocity factor:	0.81	0.66	0.66	0.80	0.80	0.80		0.80
Damping per 100 m at 100 MHz [dB]:	11.3	10.2	10.5	9.9	8.4	8.4	0.6 - 2.0	6.5

Color:	Type:	ORDER-NO.						
■ black	PVC, solid wire	-	600-0051M	-	-	-	-	-
	PVC, strand	-	600-0051L	-	-	-	-	-
	S-PVC	-	-	600-0051MS	-	-	-	-
	FRNC	600-0101MF	-	-	-	-	-	-
	PUR	-	-	-	600-0071L	-	-	-
	PE	-	-	-	-	-	601-0151	-
■ green	PVC, solid wire	600-0124M	600-0054M	-	-	-	-	-
	PVC, strand	-	600-0054L	-	-	-	-	-
	PVC	-	-	-	-	-	600-0154	600-0174
	S-PVC	-	-	600-0054MS	-	-	-	-
	PVC, 5 x coax	-	-	-	-	-	-	600-0174-05
	FRNC	600-0104MF	-	600-0054MSF	-	-	-	600-0174F
■ blue	PVC, 1 x coax	-	-	-	-	600-0162	-	-
	PVC, 2 x coax	-	-	-	-	-	600-0162-02	-
	PVC, 4 x coax	-	-	-	-	-	600-0162-04	-
	PVC, 8 x coax	-	-	-	-	-	600-0162-08	-
	FRNC, 1 x coax	-	-	-	-	600-0162F	-	-
■ violet	PVC	600-0128M	-	-	-	-	-	-
■ orange	PVC	600-0125M	-	-	-	-	-	-
■ yellow	FRNC	600-0107MF	-	-	-	-	-	-

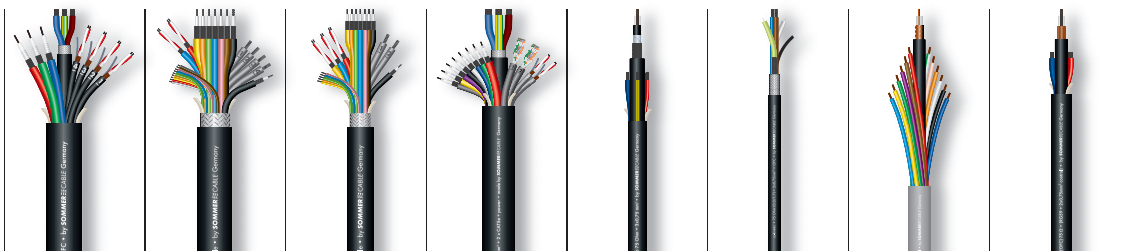
								
Name:	SC-VECTOR PLUS 1.6/7.3 120dB	CINEMA-SV	SC-POLARIS MKII HIGHFLEX	SC-POLARIS POWER	SC-ALTERA SPLIT	TRANSIT MINI	TRANSIT MINI FLEX	TRANSIT MINI CONTROL 503/506
Page:	83	83	84	84	85	85	86	86
Type:	Video cable 1.6/7.3	Video cable S-VHS 0.3/1.8	Triax 8/11/14 camera cable	Triax 8 & 11 & Power	Video interconnect cable	Video cable 0.3/1.8	Video cable 0.3L/1.8	Video cable 0.3L/1.8
Jacket-Ø (outer dimension) [mm]:	10.3	7.5	8.5/11.0	15.2/17.9	18.0 x 6.2	8.0/9.0	8.2/9.6	9.2/10.0
Conductor construction [mm²]:	1 x 1.6	2 x 0.32	1 x 1.0/1 x 1.4	1 x 1.0+P/ 1 x 1.4+P	3 x 0.69	3 x 0.34/ 5 x 0.34	3 x 0.32/ 5 x 0.32	5 x 0.32+3 x 0.42/ 5 x 0.32+6 x 0.42
	AWG15	AWG28	AWG19/16	AWG19/16	AWG23	AWG28	AWG28	AWG28
Solid wire:			■	■				
Insulation:	Skin-PE	Skin-PE	Cell-PE	Cell-PE with Skin	PE	Cell-PE/Skin	Cell-PE	Cell-PE
Copper spiral shielding:								
Copper-cross mesh shielding:	■ ■	■	■ ■	■ ■	■	■	■	■
Foil shield:	■ ■	■			■	■		■
Fleece shield, conductive:								
HD-SDI/HDTV:	■							
Halogen-free/FRNC/PUR:	■/■/-	-/-/-	-/-/■	-/-/■	-/-/-	-/-/-	-/-/-	-/■/-
AQUA/E30/TERRA:								
Mobile/Installation/ELA:	-/■/■	■/■/-	■/■/-	■/■/-	-/■/-	-/■/-	■/■/-	■/■/-
Shielding factor:	100 %	100 %	95 %	95 %	100 %	100 %	95 %	95 %
Capac. cond./shield. per 1 m [pF]:	55	64	54	54	56	63	56	56
Surge impedance [Ω]:	75	75	75	75	75	75	75	75
Velocity factor:	0.81						0.66	
Damping per 100 m at 100 MHz [dB]:	4.1	22.5	6.1 - 9.5	6.1 - 9.5	10.2	18.9	21.5	21.5

Color:	Type:	ORDER-NO.							
■ black	PVC	-	600-0701	-	-	-	-	-	-
	PVC, 3-wires	-	-	-	-	-	600-0201-03	600-0251-03	-
	PVC, 5-wires	-	-	-	-	-	600-0201-05	600-0251-05	-
	PVC, 5-wires + 3 x control	-	-	-	-	-	-	-	600-0261-0503
	PVC, 5-wires + 6 x control	-	-	-	-	-	-	-	600-0261-0506
	FRNC, 5-wires + 3 x control	-	-	-	-	-	-	-	600-0261-0503F
	FRNC, 5-wires + 6 x control	-	-	-	-	-	-	-	600-0261-0506F
	PE	600-0191	-	-	-	-	-	-	-
■ red	PVC highflex, Triax 11 (L)	-	-	600-0313	-	-	-	-	-
	PVC, Triax 8+P	-	-	-	601-0553	-	-	-	-
	PVC, Triax 11+P	-	-	-	601-0503	-	-	-	-
	PUR, Triax 8 (L)	-	-	601-0353L	-	-	-	-	-
	PUR, Triax 8 (M)	-	-	601-0353	-	-	-	-	-
	PUR, Triax 8+P	-	-	-	601-0453	-	-	-	-
	PUR, Triax 11 (M)	-	-	601-0303	-	-	-	-	-
	PUR, Triax 11+P	-	-	-	601-0403	-	-	-	-
■ blue	PVC	-	-	-	-	600-0712	-	-	-



Name:	TRANSIT 2/3/5/7/8	TRANSIT KOMBI	TRANSIT MOBILE	TRANSIT MC 113	TRANSIT MC 120	TRANSIT MC 123	TRANSIT MC 201	TRANSIT MC 523	TRANSIT MC 343
Page:	87	88	88	89	89	89	90	90	91
Type:	Video cable 0.6/2.8	Video/audio cable 0.6/2.8	Video cable, multi-coaxial	Video-/ Audio-/ Power Hybrid- Cable	Video-/ Audiohybrid-Cable		Video-/Power Hybrid-Cable	Video-/ Audio-/ Power Combi-Cable	
Jacket-Ø (outer dimension) [mm]:	9.8 - 17.0	15.6	15.3	12.2	10.5	14.2	14.5	21.6	13.2
Conductor construction [mm²]:	x0.60 AWG23	5x0.61 AWG23	7x0.66 AWG22	1x0.34 +2x0.14+P AWG22/26 (audio)	1x0.6 +2x2x0.14 AWG23/26 (audio)	1x0.6 +2x2x0.14+P AWG23/26 (audio)	2x0.6+P AWG22	5x0.61 +2x2x0.14+P AWG23	3x0.6 +4x2x0.14+P AWG26
Solid wire:		■							
Insulation:			Skin-PE	Skin-PE	TPE	TPE	Cell-PP	Cell-PE	Cell-PE/Skin, PE
Copper spiral shielding:									■
Copper-cross mesh shielding:	■	■	■	■	■	■	■	■	■
Foil shield:	■	■			■	■		■	
Fleece shield, conductive:									
HD-SDI/HDTV:	■	■	■		■	■		■	■
Halogen-free/FRNC/PUR:	-/■/-	-/■/-	■/■/■	-/■/-	-/-/-	-/-/-	-/-/-	-/-/-	■/-/■
AQUA/E30/TERRA:									
Mobile/Installation/ELA:	■/■/■	■/■/-	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■
Shielding factor:		100 %	95 %	90 %	100%/92% (audio)	100%/92% (audio)	90 %	100 %	100 %
Capac. cond./shield. per 1 m [pF]:	55	55/120 (audio)	60	55/120 (audio)	68/120 (audio)	68/120	61	55/120 (audio)	55/130 (audio)
Surge impedance [Ω]:	75	75	75	75	75	75	75	75	75
Velocity factor:									
Damping per 100 m at 100 MHz [dB]:	10.8	10.2	11.0	21.2	16.8	16.8	14.4	10.2	14.5

Color:	Type:	ORDER-NO.								
■ black	PVC, 2 x 0.60 mm	600-0851-02	-	-	-	-	-	-	-	-
	PVC, 3 x 0.60 mm	600-0851-03	-	-	-	-	-	-	-	-
	PVC, 5 x 0.60 mm	600-0851-05	-	-	-	-	-	-	-	-
	PVC, 7 x 0.60 mm	600-0851-07	-	-	-	-	-	-	-	-
	PVC, 8 x 0.60 mm	600-0851-08	-	-	-	-	-	-	-	-
	PVC	-	-	-	600-0751	600-0771	600-0741	-	600-0631-05	-
	S-PVC	-	-	-	-	-	-	600-0761	-	-
	FRNC, 2 x 0.60 mm	601-0851-02	-	-	-	-	-	-	-	-
	FRNC, 3 x 0.60 mm	601-0851-03	-	-	-	-	-	-	-	-
	FRNC, 5 x 0.60 mm	601-0851-05	-	-	-	-	-	-	-	-
	FRNC	-	600-0601-05F	-	600-0751F	-	-	-	-	-
■ slate	5+2-wires	-	600-0601-05	-	-	-	-	-	-	-
	PUR, 5 x coax	-	-	600-0646-05	-	-	-	-	-	-
	PUR, 5 x coax	-	-	600-0646-07	-	-	-	-	-	-
	PUR	-	-	-	-	-	-	-	-	600-0806



Name:	TRANSIT MC 343 PLUS	TRANSIT MC 72491	TRANSIT MC 73251	TRANSIT MC 8232	OBSERVER 1&2	SC-KINETIC	SC-INTERCOM	SC-CLASSIC CONTROL
Page:	91	92	92	92	93	93	94	94
Type:	Video-/ Audio-/ Power Combi-Cable	Video-/ Audio-/ Control-/ Power Hybrid-Cable		Video-/ Audio-/ Power Combi-Cable	75 Ω + Power combi-cable	AVI video/ control cable	Video-Intercom cable	Video cable
Jacket-Ø (outer dimension) [mm]:	18.7	16.5	12.5	27.0	9.6/9.8	6.0	5.8-12.1	10.5-11.3
Conductor construction [mm ²]:	3x0.6 +4x2x0.14+P AWG23	7x0.38+2x2x0.14 +9x0.14+1x0.14+P AWG28/26 (audio+P)	7x0.38+2x2x0.14 +4x0.14+1x0.14+P AWG28/26 (audio+P)	8x0.6 +2x2x0.14+P	1x0.34 AWG22	2x0.3+2x0.75	1x0.09/0.58 AWG22/23	2x0.75/1.5 AWG23/1
Solid wire:					■	■	■	■
Insulation:	Hytre [®] , PUR	PVC, Skin-PE	PVC	Hytre [®] , PE, PVC	Cell-PE with Skin	Cell-PE	SkinPE/PE	PE
Copper spiral shielding:	■			■				
Copper-cross mesh shielding:	■	■	■	■	■	■	■	■
Foil shield:				■	■			
Fleece shield, conductive:								
HD-SDI/HDTV:				■				
Halogen-free/FRNC/PUR:	■/-/■	-/-/-	-/-/-	-/-/-	■/-/■	-/-/-	-/-/-	-/-/-
AQUA/E30/TERRA:								
Mobile/Installation/ELA:	■/■/■	■/■/-	■/■/-	■/■/■	■/■/-	-/■/-	■/■/■	-/■/-
Shielding factor:	100 %	85 %	85 %	100 %	100 %	65 %	80 % / 96 %	
Capac. cond./shield. per 1 m [pF]:	59/195 (audio)	65	65	59/130 (audio)	58	58/120 (audio)	61/67	67
Surge impedance [Ω]:	75	75	75	75		75	75	
Velocity factor:							0.82/0.66	
Damping per 100 m at 100 MHz [dB]:	15.2	24.5	24.5	11.6	11.0	26.0	10.9 - 19.8	10.2

Color:	Type:	ORDER-NO.							
■ black	PVC	-	600-0811	600-1211	600-0891	-	600-0441	-	-
	PVC, 2 x 0.75 mm ²	-	-	-	-	-	-	-	600-0481-2075
	PVC, 2 x 1.5 mm ²	-	-	-	-	-	-	-	600-0481-2150
	PVC, 3 x 0.75 mm ²	-	-	-	-	603-0101	-	-	-
	PUR	600-0821	-	-	-	-	-	-	-
	PUR, 3 x 1.50 mm ²	-	-	-	-	604-0101	-	-	-
	FRNC, 3 x 0.75 mm ²	-	-	-	-	603-0101H	-	-	-
■ grey	1 x 0.3/1.8 + 2 x 0.75 mm ²	-	-	-	-	-	-	600-0436-02	-
	1 x 0.3/1.8 + 2 x 0.5 mm ² + 8 x 0.22 mm ²	-	-	-	-	-	-	600-0436-10	-
	1 x 0.6/3.7 + 3 x 1.0 mm ² + 9 x 0.75 mm ²	-	-	-	-	-	-	600-0436-12	-

RG/U COAXIAL CABLE

50 Ω

CONFORMING TO MIL-C-17

SC-CLASSIC SERIES MKII

 **STUDIO**
 **INSTALLATION**
 **ELA**

 **ANALOG**
 **FRNC**
 **HALOGEN-FREE**
 **OFC**

Dancing at all parties at the same time...

This cable can do it. Look at the many applications! And our RG-cables are famous for their resistance to age and their longevity. RG (radio guide)-cables have one or two cross braided shields, designed according to the American MIL-C-17-Norm. This norm, originally thought up for the military, guarantees very high and consistent manufacturing quality and durability. RB-cables are suitable for a vast number of applications in high frequency technology, electronics, and data transmission.

APPLICATION:

- Data transmission
- High frequency technology
- Antenna construction
- Fixed installation
- HiFi-connections
- In computer technology

PRODUCT ADVANTAGES:

- Extremely long life due to the age-resistant jacket
- Consistent and precise electrical values
- Easy to work with
- Suitable for all normed plug connectors

**FREE SAMPLE
AVAILABLE!**



TECHNICAL DATA

	RG8/U	RG58C/U	RG58C/U LL	RG174A/U
Jacket, diameter:	PVC, 9.5 mm	PVC (FRNC), 4.95 mm	PVC, 5.0 mm	PVC, 2.6 mm
Inner conductors:	2.85 mm²	0.48 mm²	Ø 1.02 mm	0.14 mm²
Copper strand per conductor:	7 x 0.72 mm copper, bare	19 x 0.18 mm copper tin-plated	1 x 1.02 mm solid wire	7 x 0.16 mm wire
AWG:	AWG13	AWG21	AWG18	AWG26
Conductor insulation:	PE 6.4 mm	PE 2.95 mm	Cell-PE 2.95 mm	PE 1.5 mm
Shielding:	Copper braiding, bare	Copper braiding tin-plated	Copper braiding tin-plated	Copper braiding tin-plated
Shielding factor:	92 %	92 %	92 %	92 %
Temperature range:	-35 °C...+80 °C	-25 °C...+70 °C	-35 °C...+80 °C	-25 °C...+70 °C
Fire load per m:	0.59 kWh	0.15 kWh	0.15 kWh	0.11 kWh
Weight per 1 m:	128 g	38 g	38 g	11 g
Jacket color:	■ black	■ black	■ black	■ black
Packaging:	100 m ring/500 m roll	100 m ring/500 m roll	100 m ring/500 m roll	100 m ring/500 m roll
Matching plug:	BNC213	BNC58	BNC58	BNC174, SMA174, SMB174

ELECTRICAL DATA

Surge impedance:	50 Ω ± 3 %	50 Ω ± 2 %	50 Ω ± 3 %	50 Ω ± 2 %
Capac. cond./shield. per 1 m:	101 pF	101 pF	82 pF	101 pF
Velocity factor:	0.66	0.66	0.66	0.66
Damping per 100 m (20 °C):				
100 MHz:	8.0 dB	17.0 dB	10.3 dB	30.0 dB
200 MHz:	10.8 dB	24.0 dB	15.2 dB	45.0 dB
500 MHz:	17.0 dB	39.0 dB	21.5 dB	73.0 dB
800 MHz:	25.0 dB	51.0 dB	30.1 dB	93.0 dB

ORDER-NO. PVC

600-0511

600-0401

600-0411

600-0501

ORDER-NO. FRNC

600-0401F

RG/U COAXIAL CABLE

CONFORMING TO MIL-C-17

50 Ω

SC-CLASSIC SERIES MKII

☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA

☒ ANALOG
 ☒ OFC

Dancing at all parties at the same time...

This cable can do it. Look at the many applications! And our RG-cables are famous for their resistance to age and their longevity. RG (radio guide)-cables have one or two cross braided shields, designed according to the American MIL-C-17-Norm. This norm, originally thought up for the military, guarantees very high and consistent manufacturing quality and durability. RB-cables are suitable for a vast number of applications in high frequency technology, electronics, and data transmission.

New is the RG213/lowloss with excellent damping values.

APPLICATION:

- Data transmission
- High frequency technology
- Antenna construction
- Fixed installation
- HiFi-connections
- In computer technology

PRODUCT ADVANTAGES:

- Extremely long life due to the age-resistant jacket
- Consistent and precise electrical values
- Easy to work with
- Suitable for all normed plug connectors

FREE SAMPLE
AVAILABLE!



TECHNICAL DATA

	RG213/U	RG213/LL	RG214/U	RG223/U	RG316/U
Jacket, diameter:	PVC, 10.3 mm	PVC, 10.2 mm	PVC, 10.8 mm	PVC, 5.5 mm	PTFE, 2.5 mm
Inner conductors:	3.18 mm²	3.2 mm²	3.09 mm²	Ø 0.9 mm	0.16 mm²
Copper strand per conductor:	7 x 0.76 mm copper	7 x 0.76 mm Cu	7 x 0.75 mm copper silver-pl.	1 x 0.9 mm copper silver-pl.	7 x 0.17 mm Staku silver-plated
AWG:	AWG13	AWG13	AWG13	AWG19	AWG34
Conductor insulation:	PE 7.3 mm	Cell-PE 7,25 mm	PE 7.25 mm	PE 2,5 mm	PTFE 1.52 mm
Shielding:	Copper braiding, bare	... + Cu-foil	Copper braiding silver-pl.	2 x Copper braiding silver-pl.	Copper braiding silver-pl.
Shielding factor:	92 %	100 %	95 %	100 %	95 %
Temperature range:	-25 °C...+70 °C	-25 °C...+70 °C	-25 °C...+70 °C	-35 °C...+80 °C	-35 °C...+80 °C
Fire load per m:	0.70 kWh	0.71 kWh	0.73 kWh	0.17 kWh	0.12 kWh
Weight per 1 m:	159 g	166 g	205 g	55 g	15 g
Jacket color:	■ black	■ black	■ black	■ black	□ transparent
Packaging:	100 m ring/500 m roll	100 m ring/500 m roll	100 m ring/500 m roll	100 m ring/500 m roll	100 m ring/500 m roll
Matching plug:	BNC213	BNC213		BNC223-T	BNC0.3/1.8, SMAF316-AU, SMAM316-AU, SMB174

ELECTRICAL DATA

Surge impedance:	50 Ω ± 2 %	50 Ω ± 2 %	50 Ω ± 2 %	50 Ω ± 3 %	50 Ω ± 3 %
Capac. cond./shield. per 1 m:	101 pF	82 pF	101 pF	101 pF	95 pF
Velocity factor:	0.66	0.81	0.66	0.66	0.66
Damping per 100 m:					
(20 °C)					
100 MHz:	7.0 dB	4.3 dB	6.7 dB	17.0 dB	28.0 dB
200 MHz:	10.2 dB	6.7 dB	9.8 dB	23.0 dB	40.0 dB
500 MHz:	17.0 dB	9.8 dB	16.5 dB	38.0 dB	68.0 dB
800 MHz:	23.0 dB	12.8 dB	23.0 dB	50.0 dB	90.0 dB
1000 MHz:		15.0 dB			
1350 MHz:		16.9 dB			
1500 MHz:		18.1 dB			
2000 MHz:		21.5 dB			
2400 MHz:		24.1 dB			
3000 MHz:		32.8 dB			

NEW!

ORDER-NO.

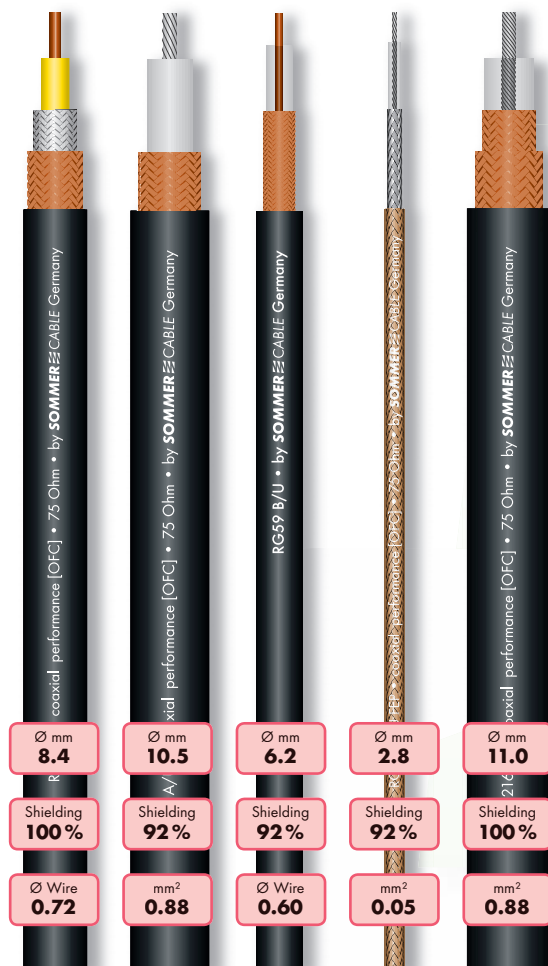
600-0551

600-0551LL

600-0571

600-0591

600-0549



RG/U COAXIAL CABLE

CONFORMING TO MIL-C-17

75 Ω

SC-CLASSIC SERIES MKII

✗ STUDIO ✗ INSTALLATION ✗ ELA

ANALOG DIGITAL OFC

Dancing at all parties at the same time...

This cable can do it. Look at the many applications! And our RG-cables are famous for their resistance to age and their longevity. RG (radio guide)-cables have one or two cross-braided shields, designed according to the American MIL-C-17-Norm. This norm, originally thought up for the military, guarantees very high and consistent manufacturing quality and durability. RB-cables are suitable for a vast number of applications in high frequency technology, electronics, and data transmission.

APPLICATION:

- Data transmission
- High frequency technology
- Antenna construction
- Fixed installation
- HiFi-connections
- Computer technology

PRODUCT ADVANTAGES:

- Extremely long life due to the age-resistant jacket
- Consistent and precise electrical values
- Easy to work with
- Suitable for all normed plug connectors

S/P-DIF
suitable!FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

	RG6A/U	RG11A/U	RG59B/U	RG179A/U FEP	RG216/U
Jacket, diameter:	PVC, 8.4 mm	PVC, 10.5 mm	PVC, 6.2 mm	FEP, 2.8 mm	PVC, 11.0 mm
Inner conductors:	Ø 0.72 mm	0.88 mm²	Ø 0.6 mm	0.05 mm²	0.8 mm²
Copper strand per conductor:	1x0.72 mm solid copper wire	7x0.4 mm copper tin-plated	0.60 mm solid copper wire	7x0.1 mm Staku silver-coated	7x0.4 mm copper tin-plated
AWG:	AWG21	AWG18	AWG23	AWG30	AWG18
Conductor insulation:	PE 4,7 mm	PE 7.3 mm	PE 3.7 mm	PTFE 1.6 mm	PE 7.24 mm
Shielding:	2xCopper braiding	Copper braiding bare	Copper braiding tin-plated	Copper braiding silver-coated	2xCopper braiding
Shielding factor:	100 %	92 %	92 %	92 %	100 %
Temperature range:	-35 °C...+80 °C	-35 °C...+80 °C	-25 °C...+70 °C	-55 °C...+200 °C	-35 °C...+80 °C
Fire load per m:	0.38 kWh	0.73 kWh	0.24 kWh	0.17 kWh	0.76 kWh
Weight per 1 m:	115 g	127 g	57 g	16.5 g	176 g
Jacket color:	■ black	■ black	■ black	□ transparent	■ black
Packaging:	100 m ring/ 500 m roll	100 m ring/ 500 m roll	100 m ring/ 500 m roll	100 m ring/ 500 m roll	100 m ring/ 500 m roll
Matching plug:	BNC6	BNC11-T	BNC59 NBNC75BLP7 NBNC75PNS7	BNC0.3/1.8, SMA174, SMB174 NBTC75BLI4	BNC216-T

ELECTRICAL DATA

Surge impedance:	75 Ω ± 3 %	75 Ω ± 3 %	75 Ω ± 3 %	75 Ω ± 3 %	75 Ω ± 3 %
Capac. cond./shield. per 1 m:	67 pF	67 pF	67 pF	63 pF	67 pF
Velocity factor:	0.66	0.66	0.66	0.7	0.66
Damping per 100 m (20 °C):	100 MHz: 8.8 dB 200 MHz: 13.5 dB 500 MHz: 21.0 dB 800 MHz: 27.5 dB 1000 MHz: -	7.5 dB 11.0 dB 18.5 dB 24.0 dB 30.0 dB	11.5 dB 16.5 dB 27.0 dB 35.0 dB -	28.0 dB 41.0 dB 69.0 dB 92.0 dB -	7.5 dB 11.0 dB 18.5 dB 24.0 dB 30.0 dB

ORDER-NO.

600-0581

600-0471

600-0451

600-0529

600-0561

RG HD-SDI/HDTV BROADCAST VIDEO & SATELLITE CABLE

SC-RG CLASSIC BROADCAST SERIES (RCBS)

X INSTALLATION X ELA

ANALOG DIGITAL OFC SDI/HD-SDI

You are looking for the superstar...

among video and SAT-cables? The **SC-RG CLASSIC BROADCAST SERIES** fulfills all the requirements for today's high quality HD-SDI/HDTV-cables, and the use of high quality materials promise a long life. For the lowest of damping values we have equipped the series with a solid wire made of oxygen-free copper (OFC), gas-foamed insulation (gas-injected), and double shielding (copper braiding + AL/PT-foil).

Please observe the technical data (see chart) on the transmission length stated for HD-SDI-transfer. Longer transmission distances are of course possible for non-HD-transmissions. More HD-SDI-cables are available on the next pages (e.g. cable series **SC-VECTOR**, **SC-VECTOR PLUS**).

S/P-DIF
suitable!FREE SAMPLE
AVAILABLE!

APPLICATIONS:

- HD-SDI/HDTV-video transmission in professional broadcasting studios
- Transmission vehicles
- High frequency technology and antenna construction
- Fixed installation

PRODUCT ADVANTAGES:

- High life expectancy due to age-resistant jacket
- Consistent, optimized electrical values due to the use of a solid OFC-wire
- Gas-foamed insulation for best damping values

NEW!

Ø mm 4,2	Ø mm 6,0	Ø mm 7,1	Ø mm 10,1
Shielding 100 %	Shielding 100 %	Shielding 100 %	Shielding 100 %
Ø Wire 0.60	Ø Wire 0.80	Ø Wire 1.0	Ø Wire 1.6

TECHNICAL DATA

	RCBS 0628	RCBS0837	RCBS1048	RCBS 1670
Construction:	02YS(ST)CH0.6/2.8 HD-SDI	02YS(ST)CH0.8/3.7 HD-SDI	02YS(ST)CH1.0/4.8 HD-SDI	02YS(ST)CH1.6/7.0 HD-SDI
Jacket, diameter:	PVC / FRNC, 4.2 mm	PVC / FRNC, 6.0 mm	PVC / FRNC, 7.1 mm	PVC / FRNC, 10.16 mm
AWG:	23	20	19	14
Inner conductor:	copper-solid wire 1 x 0.60 mm	copper-solid wire 1 x 0.80 mm	copper-solid wire 1 x 1.0 mm	copper-solid wire 1 x 1.60 mm
Conductor insulation, diameter:	gas-injected PE 2.8 mm	gas-injected PE 3.7 mm	gas-injected PE 4.8 mm	gas-injected PE 7.05 mm
Shielding:	copper braiding tin-plated + AL-PT-foil			
Shielding factor:	100 %	100 %	100 %	100 %
Temperature range:	-30 °C ... +70 °C			
Fire load per m:	0.06 kWh	0.09 kWh	0.21 kWh	0.73 kWh
Transmission length 1,5Gb/s:	80 - 100 m (HDTV)	90 - 120 m (HDTV)	120 - 170 m (HDTV)	190 - 235 m (HDTV)
Weight per 1 m:	22 g	40 g	64 g	106 g
Jacket color:	■ green	■ blue	■ green	■ green
Packaging:	100 m/ 500m/ 1000 m roll			
Matching plug:	1-6051-2100-1/ BNC0.6/2.8HDTV-T	1-6052-2100-1 BNC0.8/3.8HDTV-T, NBNC75BLP9 NBNC75PLS9	1-6052-2100-1 BNC1.0/4.6HDTV-T	1-7048-2100-1 BNC1.6/7.3HDTV-T

ELECTRICAL DATA

Shielding size:	> 90 dB		> 95 dB		> 95 dB		> 90 dB	
Shield. resistance:	17 Ω		18 Ω		18 Ω		10 Ω	
D.C. resistance per km:	inner conductor 60.5 Ω		inner conductor 36 Ω		inner conductor 22 Ω		inner conductor 8.7 Ω	
Surge impedance:	75 Ω (+/- 1 %)							
Capac. cond./cond. per 1 m:	53.0 pF		52.9 pF		53.0 pF		52.4 pF	
Damping per 100 m (20 °C):	50 MHz:	7.3 dB	50 MHz:	5.8 dB	50 MHz:	4.5 dB	50 MHz:	2.9 dB
	200 MHz:	14.5 dB	200 MHz:	11.2 dB	200 MHz:	8.9 dB	200 MHz:	5.8 dB
	470 MHz:	22.7 dB	470 MHz:	17.6 dB	470 MHz:	13.9 dB	470 MHz:	9.8 dB
	862 MHz:	31.1 dB	862 MHz:	24.3 dB	862 MHz:	18.9 dB	862 MHz:	12.8 dB
	1000 MHz:	33.6 dB	1000 MHz:	26.4 dB	1000 MHz:	20.8 dB	1000 MHz:	14.0 dB
	1750 MHz:	45.2 dB	1750 MHz:	34.6 dB	1750 MHz:	27.5 dB	1750 MHz:	19.0 dB
	2150 MHz:	50.9 dB	2150 MHz:	38.4 dB	2150 MHz:	30.3 dB	2150 MHz:	22.0 dB
	3000 MHz:	59.9 dB	3000MHz:	46.4 dB	3000MHz:	35.2 dB	3000 MHz:	24.2 dB
6000 MHz:	90.4 dB	6000 MHz:	67.3 dB	6000 MHz:	52.8 dB	6000 MHz:	38.3 dB	

ORDER-NO. PVC	605-0104-0628	600-0162	605-0104-1048	605-0104-1670
ORDER-NO. FRNC	605-0104-0628F	600-0162F	605-0104-1048F	605-0104-1670F



SAT CABLE HD-SDI/HDTV

LOW LOSS + ANTI AGING (LLX)

SC-ASTRAL

SC-ASTRAL-LLX 120 DB

X STUDIO X INSTALLATION

ANALOG DIGITAL SDI/HD-SDI HDTV OFC

As old as Methuselah...

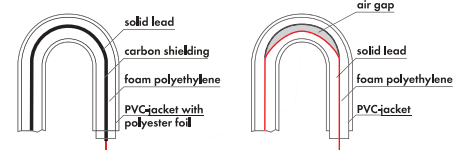
but as fit as a young chum. The **SC-ASTRAL-LLX** has a patented construction of carbon shielding around the solid wire and insulation, as well as protective polyester foil underneath the outer PVC-jacket. This prevents material fatigue and results in consistent damping values for years to come. Conventional SAT-cables usually lose their good damping values during installation and assembly. The shape of the original round skin-PE-insulation becomes elliptical and the solid conductor is no longer centered, even if it is bent only slightly. Both carbon shields on the **SC-ASTRAL-LLX** stabilize the solid conductor and the skin-PE-insulation. Thus the cable maintains its round shape and electrical values, even after installation. This type of construction

SC-ASTRAL-LLX

constructed with a patented carton jacket

Traditional Digital SAT-Cable

with standard foam dielectric PE



also enables low damping values and a shielding dimension of 120 dB! So the **SC-ASTRAL-LLX** also fulfills the HD-SDI-standard and is suitable for long installation distances on large SAT-receiver units. The new **SC-ASTRAL-LLX-DH** version offers an additional CAT.5e-cable and a cable channel for LWL-upgrade. Ideal for all fixed installations with a future. The SAT-MINI CABLE **(0.7/2.9) 90 dB** is used wherever little space is available. With version AFZ-TWIN **(2x0.75/3.4)** 2 cables can be installed at the same time, and with the SAT-MINI QUATTRO **4x(0.7/2.9)** even 4 cables (for example to connect LNB and multi-switch on digital SAT-units).

APPLICATION:

- High-end cable for BK- and digital SAT-equipment
- Professional HD-SDI/HDTV application

PRODUCT ADVANTAGES:

- Best transmission quality and excellent damping values
- Consistent values for decades after installation due to the patented anti-aging construction (LLX)
- Suitable for analog and digital applications, HD-SDI/HDTV transmission quality

TECHNICAL DATA

	(0.5/2.0)	(0.7/2.9)	(2x0.75/3.4)	4x(0.7/2.9)	SC-ASTRAL-LLX	SC-ASTRAL-LLX-DH
Construction:	(0.5/2.0) >75 dB	(0.7/2.9) 90 dB	2x(0.75/3.4) 75 dB	4x(0.7/2.9) 90 dB	(1.13/5.0) 120 dB	(1.13/5.0) + CAT.5e
Jacket, diameter:	PVC, white 3.6 mm	4.5 mm	2 x 3.4 mm	12.5 mm	6.8 mm	15 x 10 mm
No. of conductors:	1 x 0.5 mm (AWG24)	1 x 0.65 mm (AWG22)	2 x 0.75 mm (AWG21)	4 x 0.65 mm (AWG22)	1 x 1.13 mm (AWG19)	... + 4 x 2 x 0.22 mm ²
Copper strand per conductor:	Solid copper	Solid copper	Solid copper	Solid copper	Solid copper	... + 32 x 0.10 mm (CAT)
Cond. insulation, diameter:	Skin PE 2.0 mm	Skin PE 3.0 mm	Skin PE 3.4 mm	Skin PE 3.0 mm	Skin-PE 5.0 mm	... + Skin PE (CAT)
Shielding:	Copper braiding tin-plated + AL-foil	Copper braiding tin-plated + AL-foil	Copper braiding tin-plated + AL-foil	Copper braiding tin-plated + AL-foil	2 x Semiconductor + polyester-foil	2 x Semicond. + polyester-foil (+AL/PT-foil, CAT)
Shielding factor:	100 %	100 %	100 %	100 %	100 %	100 %
Temperature range:	-20 °C...+70 °C	-20 °C...+70 °C	-20 °C...+70 °C	-20 °C...+70 °C	-20 °C...+70 °C	-20 °C...+70 °C
Fire load per m:	0.11 kWh	0.12 kWh	0.31 kWh	0.58 kWh	0.24 kWh	0.39 kWh
Weight per 1 m:	20 g	29 g	70 g	52 g	55 g	180 g
Packaging:	100 m ring	100 m ring/500 m roll	100 m ring/500 m roll	100 m ring/500 m roll	100 m/ 250 m roll	per m/100 m ring
Matching plug:		F0.7/2.9	F0.75/3.4	F0.7/2.9	HI-FM08, 1-7040-2100 BNC 1.2/4.9-T	..., RJ45C5E

ELECTRICAL DATA

Shielding size:	> 75 dB	> 90 dB	> 75 dB	> 90 dB	> 120 dB	> 120 dB
D.C. resistance:	inner cond. 60 Ω/km outer cond. 51 Ω/km	inner cond. 52 Ω/km outer cond. 42 Ω/km	inner cond. 40 Ω/km outer cond. 25 Ω/km	inner cond. 52 Ω/km outer cond. 42 Ω/km	inner cond. 17 Ω/km outer cond. 9 Ω/km	inner cond. 17 Ω/km outer cond. 9 Ω/km
Surge impedance:	75 Ω +/- 3 %	75 Ω +/- 3 %	75 Ω +/- 3 %	75 Ω +/- 3 %	75 Ω +/- 2 %	75 Ω +/- 2 %
Damping per 100 m (20 °C):	100 MHz: 15.7 dB 300 MHz: 28.8 dB 450 MHz: 31.6 dB 862 MHz: 45.4 dB 1000 MHz: 49.6 dB 1750 MHz: 65.8 dB 2150 MHz: 70.5 dB 2250 MHz: 75.6 dB 2500 MHz: 79.1 dB 3000 MHz:	8.8 dB 16.5 dB 21.2 dB 28.2 dB 31.0 dB 42.5 dB 46.5 dB 51.3 dB 53.6 dB	7.4 dB 15.0 dB 19.2 dB 26.0 dB 28.9 dB 40.4 dB 45.1 dB 50.1 dB 52.2 dB	8.8 dB 16.5 dB 21.2 dB 28.2 dB 31.0 dB 42.5 dB 46.3 dB 51.3 dB 53.6 dB	5.5 dB 9.0 dB 11.0 dB 15.5 dB 17.5 dB 24.5 dB 27.0 dB 27.9 dB 29.5 dB 33.0 dB	5.5 dB 9.0 dB 11.0 dB 15.5 dB 17.5 dB 24.5 dB 27.0 dB 27.9 dB 29.5 dB 33.0 dB

FREE SAMPLE AVAILABLE!

ORDER-NO.

600-0920

600-0970

600-0980

600-0990

600-0960LLX **NEW!** 600-0960LLX-DH



VIDEO CABLE 0.3L/1.8

75 Ω, MINIATURE VIDEO CABLE, PATCH

SC-MONOMAX

✗ STUDIO ✗ INSTALLATION

ANALOG DIGITAL OFC

Good things come in small packages...

because the **SC-MONOMAX** is more like a single cable, such as can be found in the multi-coax cable **TRANSIT MINI FLEX** (see next pages). It has dense shielding (copper braiding 95 %) and the same flexible litz construction that makes it into the perfect patch cable (for example for control cabinet construction).

It is made using traditional 75 Ω BNC-connectors BNC0.3/1.8 and available in RGBHV-colors (red, green, blue, white, and black).

The maximum transmission length for this patch cable is approx. 30 – 50 meters, depending on the application.

APPLICATION:

- Flexible video cable for control cabinet construction
- Unbalanced inside wiring

PRODUCT ADVANTAGES:

- Available in five colors
- Excellent shielding due to the dense copper braiding (95 %)
- Very dependable and with the tightest of tolerances on surge impedance
- (+/- 2 %)
- Compact due to the small outside diameter
- Low damping values despite the small design

TECHNICAL DATA

Construction:	LI2Y0.32mm(ST)CY
Jacket, diameter:	Antistatic-PVC 2.6 mm
Inner conductors:	1 x 0.32 mm (AWG28) (0.08 mm ²)
Copper strand per conductor:	7 x 0.12 mm
Conductor insulation:	Cell-PE 1.6 mm
Shielding:	Copper braiding tin-plated
Shielding factor:	95 %
Temperature range:	-25 °C...+70 °C
Fire load per m:	0.27 kWh
Weight per 1 m:	11 g
Packaging:	100 m roll
Matching plug:	BNC0.3/1.8, NBTC75BLI4

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	56 pF
Surge impedance:	75 Ω +/- 3 %
Damping per 100 m (20 °C):	5 MHz: 4.3 dB 10 MHz: 6.2 dB 50 MHz: 15.0 dB 100 MHz: 21.5 dB 1500 MHz: 85.3 dB 3000 MHz: 83.1 dB
Return loss:	at 1-100 MHz: > 20 dB

COLOR

red	600-0253-01
green	600-0254-01
blue	600-0252-01
black	600-0251-01
white	600-0250-01

VIDEO CABLE 0.6/2.8

75 Ω, PVC, HALOGEN FREE AND FLAME RESISTANT (FRNC)

SC-SLIMLINE L SC-SLIMLINE M

✗ MOBILE ✗ STUDIO ✗ INSTALLATION ✗ ELA

ANALOG DIGITAL FRNC HALOGEN-FREE SDI/HD-SDI OFC

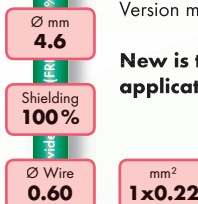
Like big brother next door...

only a little thinner, and version FRNC is even flame-retardant and resistant to the development of gasses. This cable also has a surge impedance of 75 Ω with a tolerance of +/- 1 %. The **SC-SLIMLINE M** is 100 % shielded due to the use of a dense and tin-plated cross braided shielding and an AL/PT-foil.

Suitable for use in dry and damp rooms.

Version mini-coax 0.3/1.8 – see next pages.

New is the flexible version with drain wire for mobile application.



APPLICATION:

- Image processing in video technology
- Cabling for image and observation monitors
- Fixed installation for broadcast and television
- High frequency technology

PRODUCT ADVANTAGES:

- Available halogen-free and flame-retardant or in a PVC-version
- Resistant outer jacket; great durability
- Very small diameter, thus easy to use for normed connector plugs
- Precise surge resistance of 75 Ω; Suitable for digital cables

TECHNICAL DATA

Construction:	02YS(ST)CH0.6/2.8 75Ω
Jacket, diameter:	PVC/HM2 (FRNC) 4.6 mm
Inner conductors:	M: Copper-solid wire 1 x 0.60 mm (AWG24) L: 7 x 0.20 mm, strands (AWG24)
Copper strand per conductor:	1 x 0.60 mm
Conductor insulation:	PE 2.8 mm
Shielding:	Copper braiding tin-plated + AL-PT-foil
Shielding factor:	100 %
Temperature range:	-20 °C... 70 °C
Fire load per m:	0.06 kWh
Weight per 1 m:	32 g
Packaging:	100 m (PVC)/500 m/1000 m roll
Matching plug:	BNC0.6/2.8, NBNC75BFG7, NBNC75PFE7 BNC0.6/2.8HDTV-T

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	58 pF
Surge impedance:	75 Ω +/- 1 %
Velocity factor:	0.81
Damping per 100 m (20 °C):	1 MHz: 1.2 dB 5 MHz: 2.6 dB 10 MHz: 3.6 dB 100 MHz: 11.3 dB 270 MHz: 19.4 dB 1500 MHz: 41.4 dB 3000 MHz: 60.9 dB

COLOR

green, PVC, strand NEW!	600-0124L
green, PVC	600-0124M
violet, PVC	600-0128M
orange, PVC	600-0125M
★ black, FRNC	600-0101MF
★ green, FRNC	600-0104MF
★ yellow, FRNC	600-0107MF

FREE SAMPLE AVAILABLE!

S/P-DIF suitable!

FREE SAMPLE AVAILABLE!

VIDEO CABLE 0.6/3.7

75 Ω

SC-FOCUSLINE M HIGHFLEX
SC-FOCUSLINE L HIGHFLEX

☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA

ANALOG DIGITAL OFC

That's it exactly...

+/- 1%. Because it depends on the exact resistance value! A lack of precision is the enemy of video transmission. This cable is used in video technology and is suitable for mobile application and fixed installation. The green jacket color indicates a surge impedance of 75 Ω, with a tolerance of +/- 1%. Contrary to common video cables the **SC-FOCUSLINE** is equipped with a soft, but yet very durable jacket and a densely stranded copper shield made of oxygen-free copper.

The solid wire (M) or strand (L) is in stock. It is suitable for installation in dry and damp rooms.

Ø mm
6.2

Shielding
92%

Ø Wire
0.60

mm²
1x0.22

S/P-DIF suitable!

APPLICATION:

- Image processing in video technology
- Cabling for image and observation monitors
- Fixed installation for broadcasting and television
- Data transmission
- High frequency technology

PRODUCT ADVANTAGES:

- Precise surge impedance of 75 Ω
- Flexible and resistant outer jacket
- Available in green and black

TECHNICAL DATA

Construction:	02YS(ST)CH0.6/3.7 75Ω
Jacket, diameter:	PVC 6.2 mm
Inner conductors:	Copper-solid wire (M) 1 x 0.60 mm (AWG23)/ or 0.22 mm ² (L) = Ø 0.53 mm
Copper strand per conductor:	7 x 0.20 mm (L version)
Conductor insulation:	PE 3.7 mm
Shielding:	Copper braiding
Shielding factor:	92 %
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.23 kWh
Weight per 1 m:	44 g
Packaging:	100/1000 m roll
Matching plug:	BNC0.6/3.7, NBNC75BLP7, NBNC75PNS7

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	67 pF
Cond. resistance per 1 km:	150 Ω
Shield. resistance per 1 km:	13 Ω
Surge impedance:	75 Ω +/- 1 %
Velocity factor:	0.66
Damping per 100 m (20 °C):	1 MHz: 1.1 dB 5 MHz: 2.5 dB 10 MHz: 3.5 dB 100 MHz: 10.2 dB

COLOR

- black, solid wire
- green, solid wire
- black, strand
- green, strand

ORDER-NO.

- 600-0051M**
- 600-0054M**
- 600-0051L**
- 600-0054L**

FREE SAMPLE AVAILABLE!

VIDEO CABLE 0.6/3.7

75 Ω - SDI/HDTV, BROADCAST

SC-FOCUSLINE MS HIGHFLEX
SC-FOCUSLINE MSF HIGHFLEX

☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA

ANALOG DIGITAL FRNC HALOGEN-FREE OFC SDI/HD-SDI

STRONG SPVC

That's it exactly...

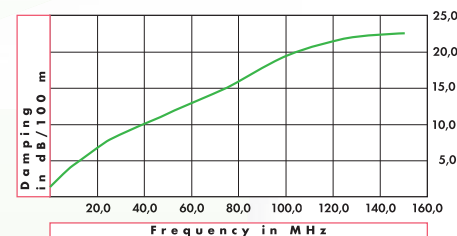
+/- 1%. Because it depends on the exact resistance value! Inexactness is the enemy of video transmission. This cable is used in video technology and is suitable for mobile application and fixed installation. The green jacket color indicates a surge impedance of 75 Ω, with a tolerance of +/- 1%. Contrary to common video cables the **SC-FOCUSLINE** is equipped with a soft, but still very durable jacket and a densely stranded copper shield made of oxygen-free copper.

The solid wire version with 100 % shielding (cross braiding + metallic fleece) is available in version „S“ - see picture.

Ø mm
6.2

Shielding
100%

Ø Wire
0.60



APPLICATION:

- Image processing in video technology
- Cabling for image and observation monitors
- Fixed installation for broadcast and television
- Data transmission
- High frequency technology

PRODUCT ADVANTAGES:

- Precise surge impedance of 75 Ω
- Flexible and resistant outer jacket
- Available in green and black
- Digitally suitable

TECHNICAL DATA

Construction:	02YS(ST)CH0.6/3.7 75Ω
Jacket, diameter:	S-PVC 6.2 mm
Inner conductors:	(Copper-solid wire) 1 x 0.60 mm (AWG23)
Conductor insulation:	PE 3.7 mm
Shielding:	Copper braiding tin-plated + metallic fleece
Shielding factor:	100 %
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.23 kWh (MSF: 0.13 kWh)
Weight per 1 m:	44 g
Packaging:	100/1000 m roll
Matching plug:	BNC0.6/3.7, NBNC75BLP7, NBNC75PNS7

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	67 pF
Cond. resistance per 1 km:	150 Ω
Shield. resistance per 1 km:	13 Ω
Surge impedance:	75 Ω +/- 1 %
Velocity factor:	0.66
Damping per 100 m (20 °C):	1 MHz: 0.4 dB 5 MHz: 2.2 dB 10 MHz: 3.2 dB 100 MHz: 10.5 dB 300 MHz: 18.6 dB

COLOR

- black, 100% shielding
- green, 100% shielding
- ★ green, 100% shielding, FRNC

ORDER-NO.

- 600-0051MS**
- 600-0054MS**
- 600-0054MSF**

S/P-DIF suitable!

FREE SAMPLE AVAILABLE!

VIDEO CABLE 0.75/3.4 PUR

75 Ω, OUTDOOR, HALOGEN FREE

SC-FOCUSLINE PUR

☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA

ANALOG DIGITAL HALOGEN-FREE PUR OFC AQUA

Pure enjoyment...

regardless of weather conditions – this PUR-video cable is able to record.

This cable is primarily used for outdoor video technology and is also suitable for mobile application and fixed installation. Contrary to traditional video cables the **SC-FOCUSLINE PUR** has a PUR-jacket resistant to the cold and copper braiding made of oxygen-free copper.

Ø mm
5.8

Shielding
75 %

Ø Cond.
0.75

S/P-DIF
suitable!

APPLICATION:

- Image processing in video technology
- Cabling for external image and observation monitors
- Fixed installation for broadcasting and television
- Data transmission for mobile outdoor areas

PRODUCT ADVANTAGES:

- A precise surge impedance of 75 Ω
- PUR-outer jacket robust and resistant to the cold
- Windable cable for mobile outdoor use

TECHNICAL DATA

Construction:	02YS(ST)CH0.75/3.4 75Ω
Jacket, diameter:	PUR 5.8 mm
Inner conductors:	1 x 0.75 mm (AWG22)
Cu-Litze per Ader:	7 x 0.254 mm
Conductor insulation:	Skin PE 3.4 mm
Shielding:	Copper braiding
Shielding factor:	75 %
Temperature range:	-40 °C...+80 °C
Weight per 1 m:	30 g
Packaging:	100 m roll
Matching plug:	BNC0.8/3.8HDTV-T

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	55 pF
Cond. resistance per 1 km:	< 53 Ω
Shield. resistance per 1 km:	25.4 Ω
Surge impedance: (at 200 MHz)	75 Ω +/- 3 %
Velocity factor:	0.80
Damping per 100 m (20 °C):	50 MHz: 7.5 dB 100 MHz: 9.9 dB 200 MHz: 14.9 dB 400 MHz: 21.6 dB 800 MHz: 31.6 dB 1000 MHz: 35.8 dB 1500 MHz: 43.6 dB 3000 MHz: 67.0 dB

COLOR

★ black, PUR

ORDER-NO.

600-0071L

FREE SAMPLE
AVAILABLE!

VIDEO CABLE 0.8/3.7 SDI/HDTV

75 Ω, LONG DISTANCE WITH PVC/FRNC JACKET (IEC 60332-1)

SC-VECTOR 0.8/3.7

SC-VECTOR 2x/4x/8x0.8/3.7

☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA

ANALOG DIGITAL FRNC HALOGEN-FREE

SDI/HD-SDI HDTV OFC

To the end of the world...

that's how far broadcast technicians try to transmit video data. But this is only possible with a cable capable of high data rates. The advantage of the **VECTOR** is a transmission capability of an amazing 1.5 Gb/s, which guarantees consistent transmission of video signals/high frequency ranges and low return losses.

Of course the **VECTOR** may also be used as a high quality standard video cable for the studio or transmission vehicle. With its double-shielding and outstanding damping values it offers many advantages when compared to simple video cables.

In comparison to a 0.6/3.7 video cable it offers up to 30 % longer transmission distances.

The **VECTOR** is often used in transmission vehicles, for digital and PAY-TV, at sporting events, live shows, or other sophisticated large events.

Also available as a duplex and a 4 + 8 core cable.

APPLICATION:

- Digital HDTV/SDI long distance transmission
- Cabling for sporting events and large TV presentations
- Video transmission for transmission vehicle technology

PRODUCT ADVANTAGES:

- Unbeatable damping values for longer distances
- A robust outer sleeve with a long life

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Construction:	xx02YS(ST)CH0.8/3.7 75Ω
Jacket, diameter:	6.0 mm/ 15.0 mm/ 18.5 mm/ 23.0 mm
Material jacket:	Standard: PVC; FRNC halogen-free: HM2 (Test type C)
Inner conductors:	Copper-solid wire Ø 0.80 mm (AWG21)
Conductor insulation:	Gas injected PE 3.7 mm
Shielding:	AL/PT-foil + copper braiding 85 %
Shielding factor:	100 %
Temperature range:	-10 °C...+80 °C
Weight per 1 m:	40 g/ 230 g/ 600 g
Packaging:	per m
Matching plug:	BNC0.8/3.8HDTV-T, NBNC75BLP9, NBNC75PLS9 1-6052-2100

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	52.9 pF
Cond. resistance per 1 km:	< 37 Ω
Shield. resistance per 1 km:	16.5 Ω
Surge impedance (at 200 MHz):	75 Ω
Velocity factor:	0.80
Damping per 100 m (20 °C):	10 MHz: 2.9 dB 50 MHz: 6.1 dB 100 MHz: 8.4 dB 200 MHz: 11.7 dB 400 MHz: 17.0 dB 800 MHz: 25.1 dB 1000 MHz: 28.3 dB
S.R.L Frequency/:	30+300 MHz: > 30 dB
(Return loss)	300+600 MHz: > 25 dB 600+900 MHz: > 20 dB

COLOR

■ blue, PVC, 1 x Koax 0.8/3.7

■ blue, PVC, 2 x Koax 0.8/3.7

■ blue, PVC, 4 x Koax 0.8/3.7

■ blue, PVC, 8 x Koax 0.8/3.7

★ blue, FRNC, 1 x Koax 0.8/3.7

ORDER-NO.

600-0162

600-0162-02

600-0162-04

600-0162-08

600-0162F

VIDEO CABLE 1.0/6.6

75 Ω, LONG DISTANCE/OUTDOOR WITH PVC AND PE-JACKET

SC-VISIONLINE

☒ INSTALLATION ☒ ELA

☒ ANALOG ☒ DIGITAL ☒ TERRA ☒ OFC
Cross country over hills...

and valleys, this is where the video cable **SC-VISIONLINE** can be installed. Really anywhere, just like the video cable RG59 B/U. The only difference is that the **SC-VISIONLINE** can be used over longer distances, because of its large diameter and better damping values.

The **SC-VISIONLINE** is available with a PVC-jacket (Article-No. 600-0154), as well as a PE-jacket (Article-No. 601-0151). The version last mentioned stands up to all kinds of weather and is ideal for ground and outdoor installation.


 Ø mm
9.1

 Shielding
92 %

 Ø Wire
1.0

APPLICATION:

- Transmission in video technology
- Wiring for image and observation monitors
- High frequency technology

PRODUCT ADVANTAGES:

- Excellent damping values even over long distances
- Suitable for ground and outdoor installation (PE-version)

TECHNICAL DATA

Construction:	02YS(ST)CH1.0/6.6 75Ω
Jacket, diameter:	PVC or PE 9.1 mm
Inner conductors:	Copper-solid wire 1 x 1.0 mm (AWG19)
Conductor insulation:	PE 6.3 mm
Shielding:	Copper braiding, bare
Shielding factor:	92 %
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.58 kWh
Minimum bending radius:	45 mm
Weight per 1 m:	93 g
Packaging:	100 m roll
Matching plug:	BNC1.0/6.6-T

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	58 pF
D.C. resistance (Ω/km):	Inner cond.: 24.0 Ω Outer cond.: 7.5 Ω
Surge impedance:	75 Ω +/- 1 %
Damping per 100 m (20 °C):	1 MHz: 0.6 dB 5 MHz: 1.4 dB 10 MHz: 2.0 dB

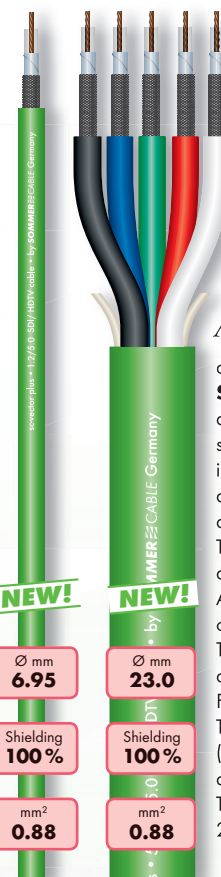
COLOR

- green, PVC
- black, PE

ORDER-NO.

 600-0154
601-0151

FREE SAMPLE AVAILABLE!



NEW!

 Ø mm
6.95

 Shielding
100 %

 mm²
0.88

NEW!

 Ø mm
23.0

 Shielding
100 %

 mm²
0.88

VIDEO CABLE 1.2/5.0 SDI/HDTV

75 Ω, LONG DISTANCE WITH PVC- OR FRNC-JACKET (IEC60332-1)

SC-VECTOR PLUS 1.2/5.0
SC-VECTOR PLUS 5x1.2/5.0
☒ MOBILE ☒ STUDIO ☒ INSTALLATION ☒ ELA

☒ ANALOG ☒ DIGITAL ☒ FRNC ☒ HALOGEN-FREE
☒ HD-SDI ☒ OFC
All the way to the horizon...

and a bit further. That is the transmission range of the **SC-VECTOR PLUS 1.2/5.0**, because special dimensions and construction for excessive lengths make this cable suitable for HD-SDI applications. Even as an analog cable it is really surprising: You can transmit video signals for a distance of up to 1000 m, and used as an SDI-cable it does the job up to a distance of 600 meters.

The **SC-VECTOR PLUS 1.2/5.0** has excellent shielding and is 100% covered by tin-plated copper braiding and AL/PT-foil. The cable is very flexible and suitable for use on a mobile cable drum.

The **SC-VECTOR PLUS 1.2/5.0** is available as a coax and a fivefold coax with a PVC-jacket and as a coax in an FRNC-version (600-0174F).

The range of the HD-SDI depends on the bitrate used (compressed or not). For 1.485 Gb/s (not compressed) the damping value is drawn on at half the bitrate (720 MHz).

The cable length attainable with at a damping value of 20 dB or 30 dB is considered relevant parameter.

APPLICATION:

- Digital HD/SDI long distance transmission
- Cable for spring events and large scale TV-events
- Video transmission for transmission vehicle technology

PRODUCT ADVANTAGES:

- Unbeatable damping values for long distances of up to 1000 m
- Robust and durable outer jacket, windable

TECHNICAL DATA

	1.2/5.0	5 x COAX
Construction:	xx02YS(ST)CH1,2/5,0 75Ω	5x02YS(ST)...
Jacket, diameter:	6.95 mm	23,0 mm
Jacket material:	Standard: PVC; FRNC halogen-free: HM2 (Test Type C)	
Inner conductors:	Copper litz 7 x 0.40 mm (AWG18)	
Conductor insulation:	Foam PE 5.0 mm	
Shielding:	AL/PT-AL-foil + copper braiding 85 % tin-plated	
Shielding factor:	100 %	
Temperature range:	-10 °C...+80 °C	
Weight per 1 m:	55 g	535 g
Packaging:	per m	
Matching plug:	NBNC75BWU13, BNC1.2/5.0-T, 1-4575-2100-1	

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	52 pF
Cond. resistance per 1 km:	< 21 Ω
Shield. resistance per 1 km:	11 Ω
Surge impedance (at 200 MHz):	75 Ω +/- 2 %
Velocity factor:	0.80
Damping per 100 m (20 °C):	10 MHz: 2.3 dB 50 MHz: 4.7 dB 100 MHz: 6.5 dB 200 MHz: 9.3 dB 400 MHz: 13.0 dB 800 MHz: 20.4 dB 1000 MHz: 23.0 dB
S.R.L frequency/:	30+300 MHz: > 23 dB
(return loss)	300+600 MHz: > 20 dB 600+900 MHz: > 15 dB

COLOR

- green, PVC
- ★ green, FRNC
- green, PVC, 5 x Coax

ORDER-NO.

 600-0174
600-0174F
600-0174-05

VIDEO CABLE 1.6/7.3

75 Ω , LONG DISTANCE GROUND CABLE WITH PE-JACKET

SC-VECTOR PLUS 1.6/7.3 120 DB

☒ INSTALLATION ☒ ELA

☒ ANALOG ☒ DIGITAL ☒ FRNC ☒ HALOGEN-FREE ☒ SDI/HDTV ☒ OFC
Buried alive...

and nobody knows it: Because the **SC-VECTOR PLUS 1.6/7.3** even delivers dependable performance deep down in the ground, supported by the deterioration-proof outer PE-jacket and a physically foamed dielectric. The SC-Vector Plus 1.6/7.3 has quadruple shielding (2 x copper braiding + 2 x AL/PT-foil and excellent damping values). This makes it especially interesting for use as a video and SAT-cable for digital TV/HDTV and the Internet.

NEW!

 $\varnothing$ mm
10.3

 Shielding
100 %

 $\varnothing$ Wire
1.6

APPLICATION:

- SAT & video cable for digital HD-SDI long distance transmission
- Cabling for sporting events and large TV-events
- Internet telephony

PRODUCT ADVANTAGES:

- Excellent damping values over long distances
- Quadruple shielding for interference protection
- Resistant against deterioration
- Shielding dimension Class A accord. to EN 50117
- Very high up- and download capacity for Internet and Internet telephony
- Suitable for ground and outdoor installation

TECHNICAL DATA

Construction:	xx02YS(ST)CH1.6/7.3 75 Ω
Jacket, diameter:	PE 10.3 mm
Inner conductors:	Solid wire 1.6 mm (AWG15)
Conductor insulation:	Skin PE 7.3 mm
Shielding:	2 x copper braiding tin-plated + 2 x AL-foil
Shielding factor:	100 %
Temperature range:	-10 °C...+75 °C
Weight per 1 m:	107 g
Packaging:	per m
Matching plug:	1-7048-2100-1

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	55 pF
Surge impedance (at 200 MHz):	75 Ω +/- 2 %
Velocity factor:	0.81
Damping per 100 m (20 °C):	100 MHz: 4.1 dB 300 MHz: 7.9 dB 450 MHz: 9.6 dB 862 MHz: 13.9 dB 1000 MHz: 14.8 dB 1350 MHz: 18.3 dB 1750 MHz: 21.1 dB 2050 MHz: 23.9 dB 2250 MHz: 26.1 dB 2500 MHz: 28.3 dB
S.R.L frequency:	30 - 470 MHz: > 22 dB
(return loss)	470 - 1000 MHz: > 20 dB
	1000 - 2450 MHz: > 20 dB

COLOR

★ black, PE

ORDER-NO.

600-0191

NEW!

VIDEO CABLE, S-VIDEO, 0.3L/1.8

2 x 75 Ω SEPARATE VIDEO

CINEMA-SV

☒ MOBILE ☒ STUDIO ☒ INSTALLATION ☒ HIFI

☒ ANALOG ☒ DIGITAL
Video killed the radio star...

The prophecy of the Buggles pop song has not (yet) come true – but still: already today a good picture goes hand in hand with good sound. Meanwhile, the S-Video-Standard is part of the good picture for all cameras, computers, audio, video, and TV end units. The loss-free high quality connection of these components is a determining factor for image quality. Especially for the implementation of high quality components the **CINEMA-SV** is used, with its consistent surge impedance of 75 Ω . The robust PVC-jacket is very flexible and protects two coaxial cables, each embedded in a colored fleece-banded PVC-jacket. Each wire is individually shielded with cross-braiding and an AL-compound foil. The stranding, as well as the braided shielding, is tin-plated.

The **CINEMA-SV** is the ideal connection cable for the higher S-Video-Standard.

With approval UL2919!

APPLICATION:

- Video and monitor cable for higher demands
- For connection of high quality components
- Mobile application and fixed installation

PRODUCT ADVANTAGES:

- Easy and safe installation due to the robust and flexible outer jacket
- Dependable and high quality transmission of S-Video signals
- Good shielding due to the individual braided shielding and AL-compound

TECHNICAL DATA

Construction:	[2LI2Y0.32mm(ST)CY]Y
Jacket, diameter:	PVC 7.5 mm
Inner conductors:	2 x 0.32 mm (AWG28) (0.08 mm ²)
Copper strand per conductor:	7 x 0.12 mm
Conductor insulation:	Skin PE 1.6 mm
Shielding:	Copper braiding tin-plated + AL-compound foil
Shielding factor:	100 %
Temperature range:	-15 °C...+70 °C
Weight per 1 m:	68 g
Packaging:	200 m roll
Matching plug:	BNC0.3/1.8, NBTC75BLI5, S-VHS-M

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	64 pF
Surge impedance:	75 Ω +/- 3 %
Damping per 100 m (20 °C):	1 MHz: 1.8 dB 5 MHz: 4.3 dB 10 MHz: 5.8 dB 50 MHz: 16.6 dB 100 MHz: 22.5 dB 200 MHz: 30.6 dB 300 MHz: 36.9 dB

COLOR

■ black

ORDER-NO.

600-0701

TRIAx 8/11/14 CAMERA CABLE

75 Ω, PVC AND PUR (HALOGEN FREE + FLAME RESISTANT)

SC-POLARIS MKII HIGHFLEX

✗ MOBILE ✗ STUDIO ✗ INSTALLATION

ANALOG DIGITAL PUR OFC

Shivering in the cold...

Videos shouldn't do that. This is why the cable has to be extremely resistant to the cold. Even then the TV-image should be perfect. The **SC-POLARIS** has a precise surge impedance of 75 Ω (+/- 1%) and the typical double cross-braided shielding. The second shield is used to supply power to the camera. The **SC-POLARIS** PUR is available with a high quality, flame-retardant PUR-jacket (-40 °C) providing best bending properties and a high UV-resistance.

APPLICATION:

- Electrical connection of video camera and image transmission systems
- Connection between camera head, controls, and amplifier
- Mobile application under extreme conditions (PUR-version)

PRODUCT ADVANTAGES:

- Extremely robust due to the special outer jacket
- Precise surge impedance of 75 Ω +/- 1 %
- Low damping values with high image signal transmission
- Dense cross-braided shielding
- Outer shielding supplies the power for the camera

TRIAx 8 & 11 & POWER

75 Ω, PVC AND PUR (HALOGEN FREE + FLAME RESISTANT)

SC-POLARIS POWER

✗ MOBILE ✗ STUDIO ✗ INSTALLATION

ANALOG DIGITAL PUR OFC

The "hardest working camera man"...

will have it a little easier now. When video and power cables can be transported together things are a lot more organized and easier to handle. The power cable wire with a diameter of 3 x 2.5 mm² is stranded around the video wire and additionally protected by an overall PUR-jacket. This gives the **SC-POLARIS POWER** very good protection against wear. It makes it resistant to the cold, i.e. there is no limit to winding it in cold temperatures. This cable is especially suitable for the connection of observation monitors and cameras.

APPLICATION:

- Wiring for video monitors (camera/monitor)
- Mobil application and fixed installation

PRODUCT ADVANTAGES:

- Video signal and power supply in one cable
- Very good damping for the video line
- Resistant to the cold and easy to wind

FREE SAMPLE AVAILABLE!

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

	TRIAx 8	TRIAx 11
Construction:	02YSC2YC11Y 1.0	02YSC2YC11Y 1.4
Jacket, diameter:	8.5 mm	11.0 mm
Material jacket:	PUR	PVC highflex; PUR
Inner conductors (M):	silver-plated 1 x 1.0 mm	silver-plated 1 x 1.4 mm
Inner conductors (L):	sil-pl. 7 x 0.32 mm (= 0.56 mm ²)	sil-pl. 16 x 0.28 mm (= 1.0 mm ²)
AWG:	AWG19	AWG16
Conductor insulation:	Cell-PE 4.5 mm	Cell-PE 6.5 mm
Shielding:	2 x cross mesh, tin-plated	2 x cross mesh, tin-plated
Shielding factor:	95 %	95 %
Temperature range:	-30 °C...+80 °C	-30 °C...+80 °C
Weight per 1 m:	120 g	160 g
Packaging:	per m	per m
Matching plug:	1-3978-4700-1	1-3980-4700-1
Suitable socket:	1-3998-4740-1	1-4000-4740-1

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	54 pF	54 pF
Surge impedance:	75 Ω +/- 1 %	75 Ω +/- 1 %
Damping per 100 m: (20 °C)	1 MHz: 0.71 dB 10 MHz: 2.6 dB 20 MHz: 3.8 dB 40 MHz: 5.6 dB 60 MHz: 7.0 dB 100 MHz: 9.5 dB	1 MHz: 0.45 dB 10 MHz: 1.7 dB 20 MHz: 2.5 dB 40 MHz: 3.7 dB 60 MHz: 4.6 dB 100 MHz: 6.1 dB
Return loss:	1 MHz: > 26 dB 100 - 300 MHz: > 23 dB	1 MHz: > 26 dB 100 - 300 MHz: > 23 dB
Closeup noise damping factor:	10 - 40 MHz: > 100 dB	10 - 40 MHz: > 100 dB

COLOR

- red, PVC highflex, Triax 11 (L)
- red, PUR, Triax 8 (L)
- red, PUR, Triax 8 (M)
- red, PUR, Triax 11 (M)

ORDER-NO.

- 600-0313
- 601-0353L
- 601-0353
- 601-0303

TECHNICAL DATA

	TRIAx 8+P	TRIAx 11+P
Construction:	(2YSC2YCY1.0mm ² +3LIY2.5mm ²)VLY	(2YSC2YCY1.4mm ² +3LIY2.5mm ²)VLY
Jacket, diameter:	15.2 mm	17.9 mm
Material jacket:	Standard in PVC; PUR version in PUR (FRNC test type C)	
Inner conductors:	3 x 2.5 mm ² (power) silver-plat. 1 x 1.0 mm (AWG19)	3 x 2.5 mm ² (power) silver-plat. 1 x 1.4 mm (AWG16)
Conductor insulation:	Cell-PE with Skin 4.5 mm	Cell-PE with Skin 6.5 mm
Shielding:	2x copper braid., 1x silver-pl.	2x copper braid., 1x silver-pl.
Shielding factor:	95 %	95 %
Temperature range (PUR):	-30 °C...+80 °C	-30 °C...+90 °C
Temperature range (PVC):	-20 °C...+80 °C	-20 °C...+90 °C
Weight per 1 m:	300 g	330 g
Packaging:	per m	per m
Matching plug:	1-3978-4700-1	1-3980-4700-1
Suitable socket:	1-3998-4740-1	1-4000-4740-1

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	54 pF	54 pF
Surge impedance:	75 Ω +/- 1 %	75 Ω +/- 1 %
Damping per 100 m: (20 °C)	1 MHz: 0.71 dB 10 MHz: 2.6 dB 20 MHz: 3.8 dB 40 MHz: 5.6 dB 60 MHz: 7.0 dB 100 MHz: 9.5 dB 1500 MHz: 29.7 dB 3000 MHz: 45.4 dB	1 MHz: 0.45 dB 10 MHz: 1.7 dB 20 MHz: 2.5 dB 40 MHz: 3.7 dB 60 MHz: 4.6 dB 100 MHz: 6.1 dB 1500 MHz: 22.1 dB 3000 MHz: 33.8 dB
Return loss:	1 MHz: > 26 dB 100 - 300 MHz: > 23 dB	1 MHz: > 26 dB 100 - 300 MHz: > 23 dB
Closeup noise damping factor:	10 - 40 MHz: > 100 dB	10 - 40 MHz: > 100 dB

COLOR

- red, PVC, Triax 8+P
- red, PVC, Triax 11+P
- red, PUR, Triax 8+P
- red, PUR, Triax 11+P

ORDER-NO.

- 601-0553
- 601-0503
- 601-0453
- 601-0403



VIDEO INTERCONNECT CABLE

75 Ω, RGB PATCH CABLE, SPLITABLE

SC-ALTERA SPLIT

☒ STUDIO
 ☒ INSTALLATION
 ☒ HiFi
☒ ANALOG
 ☒ DIGITAL

All for one and one for all...

said the 3 Musketeers and went into battle. Our **SC-ALTERA SPLIT** also has three 75 Ω video wires next to one another. Thus we developed a video component cable especially for higher demands.

Video component cables are mostly manufactured with cinch connectors and intended for the connection of signal sources (DVD-players, Dolby digital systems) and monitors (video beamer, flatscreen TV, or similar). The cable can be split easily. This is very practical when you would like to determine splice length yourself. We selected the individual wire diameter so that the cinch connector has perfect „grip“. The wires are color-coded according to common RGB-assignment:

Y = green
U [Cb/Pb] = red
V [Cr/Pr] = blue

This cable is suitable for analog and digital applications and is available premade as well.

Detailed information can be found in Section „Premade Cables – HiFi & Home Application“.

Ø mm
18.0x6.2

Shielding
100 %

Ø Cond.
3x0.69

APPLICATION:

- Highly flexible cable for the connection of beamers, flatscreen TV, etc.
- High quality connection of HiFi-components (DVD, Dolby digital receiver)

PRODUCT ADVANTAGES:

- Highly flexible, easy to split
- Excellent shielding due to dense braiding and AL/PT-foil
- Very dependable, treadable, and durable due to the thick PVC-jacket
- Easy to work with due to the RGB-color coding and jacketed individual wires
- Suitable for analog and digital applications

TECHNICAL DATA

Construction:	3xHF75 0.6/3.7
Jacket, diameter:	PVC 18.0 x 6.2 mm
Inner conductors:	3 x 0.69 mm (AWG23)
Copper strand per conductor:	7 x 0.16 mm
Conductor insulation:	PE 3.7 mm
Shielding:	Copper braiding 90 % + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-25 °C...+70 °C
Fire load per m:	0.57 kWh
Weight per 1 m:	144 g
Packaging:	100 m roll
Matching plug:	BNC59, HI-CM06, NBNC75BLP7

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	56 pF
Surge impedance:	75 Ω +/- 1 %
Damping per 100 m (20 °C):	5 MHz: 2.6 dB
	10 MHz: 3.5 dB
	100 MHz: 10.2 dB
	500 MHz: 26.0 dB
	800 MHz: 34.0 dB

COLOR
■ blue

ORDER-NO.
600-0712

FREE SAMPLE AVAILABLE!



VIDEO CABLE 0.3L/1.8

75 Ω, RGB, VGA, MULTICORE

TRANSIT MINI

☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
☒ ANALOG
 ☒ DIGITAL

One tough cookie...

but still flexible, that's our multi-wire video cable. The **TRANSIT MINI** has excellent manufacturing quality. The robust outer jacket guarantees a surge impedance of 75 Ω (+/- 3 %) for many years. Also for extensive wear, such as frequent winding, transport, or for great differences in temperature. The individual wires are shielded with dense cross braiding and an AL/PT-foil, RGB color-coded with overall foil shielding and drain wire AWG24.

UL 2919
E 119932

Ø mm
8.0

Shielding
100 %

Ø Cond.
3x0.34

Ø mm
9.0

Shielding
100 %

Ø Cond.
5x0.34

APPLICATION:

- Transmission of digital color signals
- Mobile application or fixed installation
- As a shielded monitor/computer cable

PRODUCT ADVANTAGES:

- Precise surge impedance of 75 Ω +/- 3 %
- Easy to wind due to the special PVC-jacket
- Compact due to the small outer diameter
- RGB color-coded wire identification

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

	3-WIRE	5-WIRE
Construction:	[3LI2Y0.34mm(ST)CY](ST)Y	[5LI2Y0.34mm(ST)CY](ST)Y
Jacket, diameter:	PVC 8.0 mm	PVC 9.0 mm
Inner conductors:	3 x 0.34 mm (AWG22)	5 x 0.34 mm (AWG22)
Copper strand per conductor:	7 x 0.127 mm	7 x 0.127 mm
Dielectric diameter:	1.7 mm	1.7 mm
Conductor insulation:	Cell-PE/Skin	Cell-PE/Skin
Shielding:	cross mesh, tin-pl. + AL/PT-foil + overall shield. + drain wire	
Shielding factor:	100 %	100 %
Temperature range:	-25 °C...+70 °C	-25 °C...+70 °C
Weight per 1 m:	180 g	210 g
Packaging:	per m	per m
Matching plug:	BNC0.3/1.8 NBTC75BLI5	BNC0.3/1.8 NBTC75BLI5

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	63 pF	63 pF
Surge impedance:	75 Ω +/- 3 %	75 Ω +/- 3 %
Damping per 100 m (20 °C):	1 MHz: 1.8 dB	1 MHz: 1.8 dB
	10 MHz: 6.0 dB	10 MHz: 6.0 dB
	100 MHz: 18.9 dB	100 MHz: 18.9 dB
	200 MHz: 29.9 dB	200 MHz: 29.9 dB
	500 MHz: 47.8 dB	500 MHz: 47.8 dB
	800 MHz: 62.0 dB	800 MHz: 62.0 dB

COLOR

■ black, 3-wire
■ black, 5-wire

ORDER-NO.

600-0201-03
600-0201-05



VIDEO CABLE 0.3L/1.8

75 Ω, MINIATURE RGB-MULTICORE,
HIGHLY FLEXIBLE

TRANSIT MINI FLEX

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION

ANALOG DIGITAL OFC

Like silk and satin...

that's how the outer jacket of the **TRANSIT MINI FLEX** feels in your hand. This is achieved through the use of a special jacket mixture made of a material extremely resistant to the cold. It makes the cable highly flexible and strong, gives it a small bending radius and makes sure that it survives many bending cycles without being damaged. Each wire is shielded by dense cross braiding. The stranding, as well as the shielding is tin-plated, making it very easy to work with. Tin-plated, oxygen-free copper ensures longevity and safety in image transmission. Wire colors according to RGB: red, green, blue, black, white.

Prices and delivery times for the halogen-free PUR-version upon request.

APPLICATION:

- A flexible video and monitor cable for professional demands
- Mobile application with high bending cycles and for inconspicuous fixed installation

PRODUCT ADVANTAGES:

- Highly flexible, easy to wind, and resistant to the cold due to fine individual stranding and a special jacket mixture
- Excellent shielding due to dense braiding
- Very dependable, treadable, and durable due to the viscose filler and dense stranding
- Compact due to the small outer diameter
- Small damping values despite the miniature construction

FREE SAMPLE AVAILABLE!

TECHNICAL DATA	3-WIRE	5-WIRE
Construction:	(3LI2Y0.32mmCY)Y	(5LI2Y0.32mmCY)Y
Jacket, diameter:	Antistatic-PVC 8.2 mm	Antistatic-PVC 9.6 mm
Inner conductors	3 x 0.32 mm (AWG28)	5 x 0.32 mm (AWG28)
Copper strand per conductor:	7 x 0.12 mm	7 x 0.12 mm
Conductor insulation:	Cell-PE 1.6 mm	Cell-PE 1.6 mm
Shielding:	Copper braiding tin-plated	Copper braiding tin-plated
Shielding factor:	95 %	95 %
Temperature range:	-25 °C...+70 °C	-25 °C...+70 °C
Fire load per inch:	0.27 kWh	0.37 kWh
Weight per 1 m:	90 g	110 g
Packaging:	per m	per m
Matching plug:	BNC0.3/1.8 NBTC75BLI4	BNC0.3/1.8 NBTC75BLI4

ELECTRICAL DATA

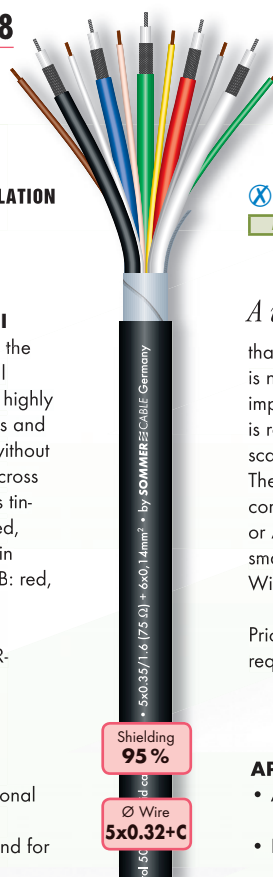
Capac. cond./shield. per 1 m:	56 pF	56 pF
Surge impedance:	75 Ω +/- 3 %	75 Ω +/- 3 %
Velocity factor:	0.66	0.66
Damping per 100 m (20 °C):	5 MHz: 4.3 dB 10 MHz: 6.2 dB 50 MHz: 15.0 dB 100 MHz: 21.5 dB 1500 MHz: 97.8 dB 3000 MHz: 151.5 dB	5 MHz: 4.3 dB 10 MHz: 6.2 dB 50 MHz: 15.0 dB 100 MHz: 21.5 dB 1500 MHz: 94.5 dB 3000 MHz: 148.0 dB
Return loss:	at 1-100 MHz: > 20 dB	at 1-100 MHz: > 20 dB

COLOR

- black, 3-wire
- black, 5-wire

ORDER-NO.

- 600-0251-03
- 600-0251-05



VIDEO CABLE 0.3L/1.8

5 x 75 Ω, MINI RGB-MULTICORE + CONTROL LINE 0.14 mm²TRANSIT MINI CONTROL 503
TRANSIT MINI CONTROL 506

☒ STAGE
 ☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION

ANALOG DIGITAL FRNC OFC

STRONG
SPVC*A whole lot for little money...*

that is **TRANSIT MINI FLEX**'s big brother. It's constructed is nearly the same as the **TRANSIT MINI FLEX 5**, but some important control lines have been added. That is why this cable is recommended for the connection of VGA SUB-15HD's and scart-plugs.

The quality of the **TRANSIT MINI CONTROL** can not be compared to the cable sometimes included with various products or Asian imports. Here we are talking about a patch cable with a small diameter and very good electrical data.

Wire colors according to RGB: red, green, blue, black, white.

Price and delivery time for the halogen-free, PUR-version upon request.

APPLICATION:

- As a highly flexible video, VGA-monitor, SUB-D- and scart-cable for professional demands
- For mobile application and for unobtrusive fixed installation

PRODUCT ADVANTAGES:

- Flexible, easy to wind, and resistant to cold temperatures due to the special jacket mixture
- Additional control lines
- Compact with a small outer diameter
- Low damping values despite miniature construction

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	(5LI2Y0.32mmCY)Y + 3x0.14mm ² ST-Y or (5LI2Y0.32mmCY)Y + 6x0.14mm ² ST-Y
Jacket, diameter:	Antistatic-PVC 9.2 mm (MC503) or 10.0 mm (MC506)
Inner conductors:	5 x 0.32 mm (AWG28) + 3 x 0.14 mm ² control or 5 x 0.32 mm (AWG28) + 6 x 0.14 mm ² control
Copper strand per conductor:	1 x 0.32 mm / 12 x 0.12 mm (control)
Conductor insulation:	Cell-PE 1.6 mm
Shielding:	Copper braiding, tin-plated (video), AL/PT-foil (total)
Shielding factor:	95 %
Temperature range:	-25 °C...+70 °C
Fire load per m:	0.39 kWh
Weight per 1 m:	102 g / 118 g
Packaging:	per m
Matching plug:	BNC0.3/1.8, NBTC75BLI4
Versions:	5-wire + 3x0.14mm ² or 5-wire + 6x0.14mm ²

ELECTRICAL DATA

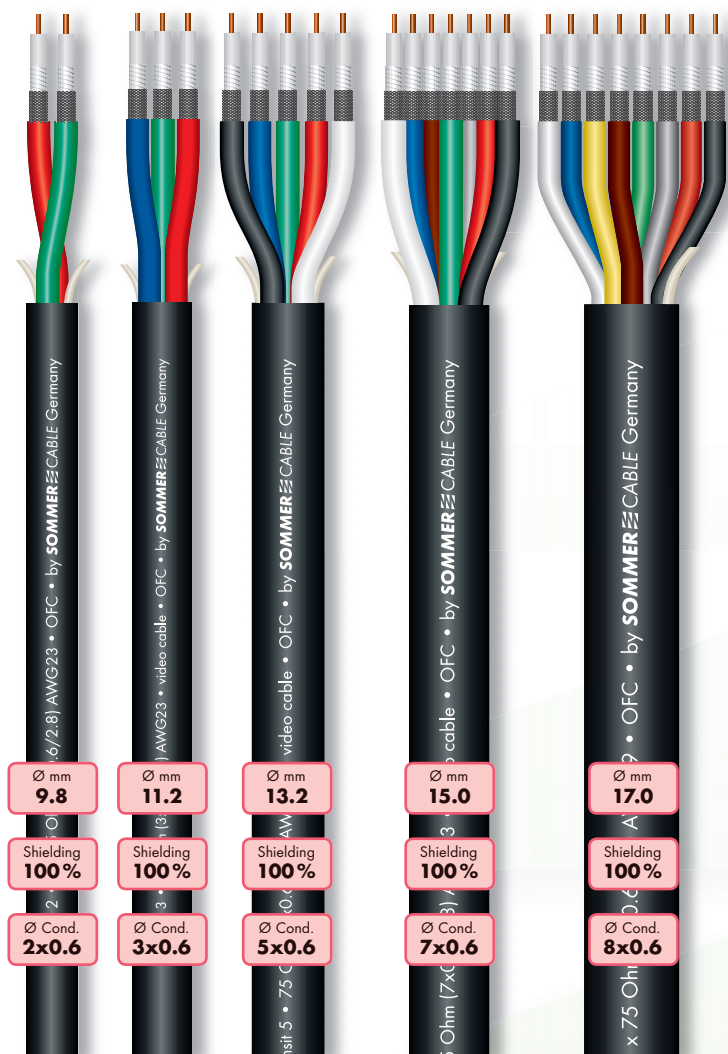
Capac. cond./shield. per 1 m:	56 pF
Surge impedance:	75 Ω +/- 3 %
Damping per 100 m (20 °C):	5 MHz: 4.3 dB 10 MHz: 6.2 dB 50 MHz: 15.0 dB 100 MHz: 21.5 dB
Return loss:	at 1-100 MHz: > 20 dB

COLOR

- black, 5-wire + 3 x Control
- ★ black, 5-wire + 3 x Control, FRNC
- black, 5-wire + 6 x Control
- ★ black, 5-wire + 6 x Control, FRNC

ORDER-NO.

- 600-0261-0503
- 600-0261-0503F
- 600-0261-0506
- 600-0261-0506F



VIDEO CABLE 0.6/2.8

75 Ω, RGBHV MULTICORE, HIGHLY FLEXIBLE

TRANSIT 2, 3, 5, 7 & 8



MOBILE STUDIO INSTALLATION ELA

ANALOG DIGITAL FRNC HALOGEN-FREE SDI/HD-SDI OFC

For everyone needing a long line...

the **TRANSIT** is the right cable. The basic construction is the same as for the multi-coaxial cables **TRANSIT MINI** and **TRANSIT MINI FLEX**, but the **TRANSIT** is recommended for extreme lengths exceeding 40 meters. But it is also preferred for short distances in professional video studios. There it guarantees an image absolutely free of shadows and flickering.

The **TRANSIT** impresses with high flexibility, extended functionality and double shielding (copper braiding + AL/PT-foil) of the individual wires.

Now also available in a halogen-free version (FRNC) in 2, 3, and 5 x coax. For versions with 7 x coax, see the **TRANSIT MOBILE** on the following page.

APPLICATION:

- Fixed installation across long distances (theatres, sporting arenas, media and congressional centers)
- Multi-coax cable drum

PRODUCT ADVANTAGES:

- Dependable and very high quality image transmission across long distances
- Very good damping and transmission values even for longer lengths
- Highly flexible due to the special jacket mixture and dense wire stranding
- Easy to wind (PVC-version)

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

	TRANSIT 2	TRANSIT 3	TRANSIT 5	TRANSIT 7	TRANSIT 8
Construction:	xx2YS(ST)CY0.6/2.8	xx2YS(ST)CY0.6/2.8	xx2YS(ST)CY0.6/2.8	xx2YS(ST)CY0.6/2.8	xx2YS(ST)CY0.6/2.8
Jacket, diameter:	PVC 9.8 mm	PVC 11.2 mm	PVC 13.2 mm	PVC 15.0 mm	PVC 17.0 mm
Inner conductors:	2 x 0.60 mm (AWG23)	3 x 0.60 mm (AWG23)	5 x 0.60 mm (AWG23)	7 x 0.60 mm (AWG23)	8 x 0.60 mm (AWG23)
Shielding:	Copper braiding 90 % + AL/PT-foil				
Fire load per m:	0.51 kWh	0.61 kWh	0.81 kWh	1.07 kWh	1.27 kWh
Jacket color:	■ black	■ black	■ black	■ black	■ black
Weight per 1 m:	115 g	139 g	195 g	242 g	310 g
Packaging:	per m	per m	per m	per m	per m
Matching plug:	BNC0.6/2.8, NBNC75BFG7 NBNC75PFE7 BNC0.6/2.8HDTV-T	BNC0.6/2.8, NBNC75BFG7 NBNC75PFE7 BNC0.6/2.8HDTV-T	BNC0.6/2.8, NBNC75BFG7 NBNC75PFE7 BNC0.6/2.8HDTV-T	BNC0.6/2.8, NBNC75BFG7 NBNC75PFE7 BNC0.6/2.8HDTV-T	BNC0.6/2.8, NBNC75BFG7 NBNC75PFE7 BNC0.6/2.8HDTV-T

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	55 pF	55 pF	55 pF	55 pF	55 pF
Surge impedance:	75 Ω +/- 1 %	75 Ω +/- 1 %	75 Ω +/- 1 %	75 Ω +/- 1 %	75 Ω +/- 1 %
Damping per 100 m (20°C):	1 MHz: 1.2 dB 10 MHz: 4.0 dB 100 MHz: 10.8 dB 200 MHz: 15.9 dB 270 MHz: 20.5 dB 500 MHz: 29.0 dB 800 MHz: 36.0 dB	1 MHz: 1.2 dB 10 MHz: 4.0 dB 100 MHz: 10.8 dB 200 MHz: 15.9 dB 270 MHz: 20.5 dB 500 MHz: 29.0 dB 800 MHz: 36.0 dB	1 MHz: 1.2 dB 10 MHz: 4.0 dB 100 MHz: 10.8 dB 200 MHz: 15.9 dB 270 MHz: 20.5 dB 500 MHz: 29.0 dB 800 MHz: 36.0 dB 1500 MHz: 41.1 dB 3000 MHz: 61.9 dB	1 MHz: 1.2 dB 10 MHz: 4.0 dB 100 MHz: 10.8 dB 200 MHz: 15.9 dB 270 MHz: 20.5 dB 500 MHz: 29.0 dB 800 MHz: 36.0 dB	1 MHz: 1.2 dB 10 MHz: 4.0 dB 100 MHz: 10.8 dB 200 MHz: 15.9 dB 270 MHz: 20.5 dB 500 MHz: 29.0 dB 800 MHz: 36.0 dB

ORDER-NO. PVC	600-0851-02	600-0851-03	600-0851-05	600-0851-07	600-0851-08
ORDER-NO. FRNC	601-0851-02	601-0851-03	601-0851-05		



VIDEO/AUDIO CABLE, 0.6/2.8

75 Ω MULTI COAXIAL, 5 x HF 0.6/2.8 + 2 x 0.14 mm AUDIO

TRANSIT KOMBI



Standing ovations...

for the multi-talent in terms of video and audio transmission. The **TRANSIT KOMBI** has 5 flexible video lines with very good damping values and two additional shielded microphone or control wires with a diameter of 2 x 0.14 mm². With it you can transmit image data as well as audio data. The RGB-wires have dense cross braiding and an AL/PT-foil, the AF-wires dense copper spiral shielding + AL/PT-foil. A drain wire has been integrated for better handling. The **TRANSIT KOMBI** is flexible, easy to wind, and suitable for installation in theatres, public buildings, media and congressional centers, and sporting arenas.

Now also available with a 3 x 2.5 mm² power cable – see the **TRANSIT MC 523** on the following pages.

FREE SAMPLE AVAILABLE!

APPLICATION:

- For permanent installation over long distances (theatres, sporting arenas, media and congressional centers)
- For audio and video transmission

PRODUCT ADVANTAGES:

- Dependable, very high quality image and sound transmission
- Easy to crimp and very good damping values due to the solid wire conductor
- Extremely durable due to the special jacket mixture
- Small outer diameter, flexible (PVC version) and easy to wind

TECHNICAL DATA

Construction:	[5x2YS(ST)CY0.6/2.8+2(2LIY0.14mm ²)(ST)DY]Y
Jacket, diameter:	PVC (total) 15.6 mm PVC (video) 4.5 mm
Inner conductors:	Copper-solid wire 5 x 0.61 mm (AWG23)
Conductor insulation:	Cell-PE 2.8 mm
Shielding:	Copper braiding 95 % + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-25 °C...+70 °C
Fire load per m:	1.35 kWh (FRNC: 1.50 kWh)
Weight per 1 m:	265 g
Packaging:	per m
Matching plug:	BNC0.6/2.8, NBNC75BFG7, NBNC75PFE7 BNC0.6/2.8HDTV-T (for HDTV)

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF (audio)
Capac. cond./shield. per 1 m:	55 pF (video) 120 pF (audio)
Surge impedance:	75 Ω +/- 3 %
Damping per 100 m (20 °C):	1 MHz: 1.0 dB 10 MHz: 3.2 dB 100 MHz: 10.2 dB 200 MHz: 15.3 dB 270 MHz: 20.2 dB 500 MHz: 26.0 dB 800 MHz: 34.0 dB 1500 MHz: 41.2 dB 3000 MHz: 60.9 dB

COLOR

- black, 5+2-wire
- ★ black, FRNC

ORDER-NO.

- 600-0601-05
- 600-0601-05F



VIDEO CABLE, MULTI-COAXIAL

75 Ω WITH PUR-MANTEL, HALOGEN FREE + FLAME RESISTANT

TRANSIT MOBILE

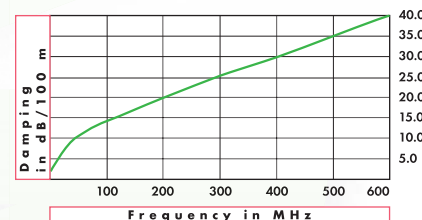


When your lips are chapped...

then it is very cold outside. You can say the same regarding a standard PVC-jacket. For such extreme conditions you will need a video cable with a PUR-jacket, resistant to the cold and durable enough to prevent it from getting stiff and tearing in low temperatures. Jacket material individual wires: Hytel®

The **TRANSIT MOBILE** is windable and resists even the worst weather conditions. It has excellent damping values and dense braided shielding and is 95 % optically opaque. Wires 6 and 7 are suitable as spares for S-Video large image projectors.

NEW! Now also available in 5 x coax with Ø 13.7 mm.



APPLICATION:

- Transmission of RGB-video signals in mobile application
- Fixed installation
- Power cable for large image projectors

PRODUCT ADVANTAGES:

- Very good damping values
- Durable PUR-jacket, resistant to the cold
- Jacket resistant to dirt
- Easy to wind

FREE SAMPLE AVAILABLE!

TECHNICAL DATA

Construction:	(xLI2YSC12Y0.34mm ²)Y PUR
Jacket, diameter:	PUR 13.7 mm / 15.3 mm
Inner conductors:	5 or 7 x 0.34 mm ² (AWG22)
Copper strand per conductor:	7 x 0.25 mm
Conductor insulation:	Skin PE 3.2 mm
Shielding:	Copper braided shield
Shielding factor:	95 %
Temperature range:	-40 °C...+ 70 °C
Fire load per m:	1.82 kWh
Weight per 1 m:	215 g
Packaging:	per m
Matching plug:	BNC0.66/3.2, NBNC75BIJ9, NBNC75PIE9

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	53 pF
Cond. resistance per 1 km:	50 Ω
Surge impedance:	75 Ω +/- 1 %
Velocity factor:	0,76
Damping per 100 m (20 °C):	1 MHz: 0.95 dB 5 MHz: 2.30 dB 10 MHz: 3.30 dB 100 MHz: 11.00 dB 270 MHz: 22.9 dB

COLOR

- grey (charcoal), 5 x coax
- grey (charcoal), 7 x coax

ORDER-NO.

- 600-0646-05
- 600-0646-07

NEW!

VIDEO-/AUDIO-/POWER HYBRID-CABLE

1 x 0.48 mm (75 Ω) + 1 x 2 x 0.14 mm² (AUDIO) + 3 x 1.5 mm² (POWER)

TRANSIT MC 113

STRONG SPVC

MOBILE STUDIO INSTALLATION ELA

ANALOG DIGITAL FRNC OFC

Triples in one belly...

One for the image, one for the sound, and one for power. A video signal with 75 Ω is transmitted by the image cable, the sound cable consists of a shielded microphone cable with a wire diameter of 2 x 0.14 mm², and the power is provided by three insulated power wires with a diameter of 1.5 mm² each. They are embedded commonly in a flexible PVC-jacket. The **TRANSIT MC 113** is implemented for permanent installation (studio, theatre, building technology, etc.). But due to its high flexibility it can also be used for mobile applications and for outdoor installation.

Ø mm 12.2

Shielding 90%

by SOMMER CABLE Germany

3 x 1.5 mm² + 3 x 1.5 mm²

APPLICATION:

- For installation (studio, theatre, building technology)
- Outdoor application
- Connection of observation monitors

PRODUCT ADVANTAGES:

- Video 75 Ω + audio + power united in one cable
- Very compact, flexible, and simple to work with

VIDEO-/AUDIOHYBRID-CABLE

1 x 0.6L/3.7 (75 Ω) + 2 x 2 x 0.14 mm² (AUDIO) or
1 x 0.6L/3.7 (75 Ω) + 2 x 2 x 0.14 mm² (AUDIO) + 3 x 1.5 mm² (POWER)

TRANSIT MC 120/TRANSIT MC 123

STRONG SPVC

MOBILE STUDIO INSTALLATION ELA

ANALOG DIGITAL SDI/HD-SDI OFC

Without the sound...

the image only tells half the story. That is why we gave the video cable (75 Ω, 0.6L/3.7) not one, but two balanced audio cables and all are embedded in a robust jacket made of SPVC to protect them from dirt, dust, and other unfavourable environmental influences. It is enormously resistant to the cold (-40 °C mobile, -50 °C fixed installation) making it ideal for mobile application. The video, as well as the audio cables are shielded and transmit a loss-free signal even across long distances of 100 meters. This makes the **TRANSIT MC** the ideal infeed cable for cameras with stereo audio connections. With the 3 x 1.5 mm² power cable the **TRANSIT MC 123** is equipped somewhat better than little brother **TRANSIT MC 120**.

Ø mm 10.5

Shielding 100%

by SOMMER CABLE Germany

APPLICATION:

- Installation (studio, theatre, building technology)
- Outdoor application
- Connection of DV- or S-VHS-cameras with recorders and cutting consoles

PRODUCT ADVANTAGES:

- Video RG59/75 Ω + 2 x audio (+ power) united in one cable
- Very compact, flexible, and easy to work with



Transit MC 123

TECHNICAL DATA

Construction:	[LIY0.18mm ² (ST)CY+(2LIY0.14mm ²)DY+(3LIY1.5mm ²)Y]Y
Jacket, diameter:	PVC 12.2 mm (total)/ FRNC 12.2 mm TPE 3.3 mm (video) TPE 2.4 mm (audio) PVC 6.7 mm (power)
Inner conductors:	2 x 0.14 mm ² (audio) (AWG26) 3 x 1.5 mm ² (power) 1 x 0.48 mm (video) (AWG22) (0.18 mm ²)
Copper strand per conductor:	tin-plated 7 x 0.18 mm (video) 18 x 0.10 mm (audio)
Conductor insulation:	Skin PE 2.2 mm (video)
Shielding:	Copper braiding 90 %
Shielding factor:	90 %
Temperature range:	-25 °C...+70 °C
Fire load per m:	0.74 kWh
Weight per 1 m:	180 g
Packaging:	per m
Matching plug:	BNCO.4/2.5-T, NBTC75BVX6

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	78 pF (audio)
Capac. cond./shield. per 1 m:	55 pF (video) 120 pF (audio)
Surge impedance:	75 Ω +/- 1 %
Damping per 100 m (20 °C):	5 MHz: 4.3 dB 10 MHz: 6.2 dB 50 MHz: 15.0 dB 100 MHz: 21.2 dB 1500 MHz: 64.1 dB 3000 MHz: 101.3 dB

COLOR

- black
★ black, FRNC

ORDER-NO.

600-0751
600-0751F

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Construction MULTICOM 120:	[2LI2Y0.6(ST)CY+2(2LIY0.14mm ²)(ST)DY]Y
Construction MULTICOM 123:	[LI2Y0.6(ST)CY+2(2LIY0.14mm ²)(ST)DY+(3LIY1.5mm ²)Y]
Jacket, Ø (MULTICOM 120):	TPE (total) 10.5 mm
Jacket, Ø (MULTICOM 123):	SPVC (total) 14.2 mm
Jacket, Ø (both):	TPE (video) 5.2 mm
Inner conductors:	2 x 2 x 0.14 mm ² (audio) (AWG26) 1 x 0.60 mm (video) (AWG23) 3 x 1.50 mm ² (power) (only MULTICOM 123)
Copper strand per conductor:	7 x 0.20 mm (video) 18 x 0.10 mm (audio)
Conductor insulation:	TPE
Shielding:	Copper braiding 90 % + AL/PT-foil (video)
Shielding factor:	100 % (video) 92 % (audio)
Temperature range:	-50 °C...+85 °C
Weight per 1 m (Multicom 120):	119 g
Weight per 1 m (Multicom 123):	228 g
Packaging:	per m
Matching plug:	BNCO.6/3.7, NBNC75BJJ9, NBNC75PLE9

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	60 pF (audio)
Capac. cond./shield. per 1 m:	68 pF (video) 120 pF (audio)
Surge impedance:	75 Ω +/- 1 %
Damping per 100 m (20 °C):	5 MHz: 2.9 dB 10 MHz: 3.8 dB 50 MHz: 10.7 dB 100 MHz: 16.8 dB 270 MHz: 25.0 dB

FREE SAMPLE
AVAILABLE!

TYPE

TRANSIT MC 120 ■ black, PVC
TRANSIT MC 123 ■ black

COLOR

■ black, PVC
■ black

ORDER-NO.

600-0771
600-0741

VIDEO-/POWER HYBRID-CABLE

2 x 75 Ω 0.6/2.8 + 3 x 1.5 mm²

TRANSIT MC 201

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

Triplets...

are to be admired in the **TRANSIT MC 201**. The two standardized 75 Ω video cables (0.6/2.8) and a 3 x 1.5 mm² power cable are embedded in a notch-resistant SPVC-jacket.

To prevent inductive problems we have shielded the power cable with copper braiding and insulated it with an additional PVC-sleeve.

The **TRANSIT MC 201** is a great choice for installation in the studio, theatre, broadcasting, and in building technology for both in- and outdoor application.

It also is ideal for the connection of the observation monitors.

Ø mm
14.5

Shielding
90%

201 • 2x75 Ω 0.6/2.8 + 3x1.5 mm² • by SOMMER CABLE Germany

APPLICATION:

- Installation (broadcasting, studio, meeting rooms, theatres, building technology)
- In- and outdoors areas

PRODUCT ADVANTAGES:

- Dependable transmission of image and power in one cable
- Compact style with a robust jacket

TECHNICAL DATA

Jacket, diameter:	SPVC 14.5 mm
Inner conductors:	3 x 1.5 mm ² (power) 2 x 0.6 mm (video) (AWG23)
Copper strand per conductor:	tin-plated 7 x 0.18 mm (video) tin-plated 84 x 0.15 mm (power)
Conductor insulation:	Cell-PP 2.30 mm (video) PVC (power)
Shielding:	Copper braided shielding tin-plated 90 % (video) Copper braided shielding tin-plated 85 % (power)
Shielding factor:	90 %
Temperature range:	-25 °C...+70 °C
Fire load per m:	0.83 kWh
Weight per 1 m:	256 g
Packaging:	per m
Matching plug:	BNC0.6/2.8, NBNC75BFG7, NBNC75PFE7

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	61 pF (video)
Surge impedance:	75 Ω +/- 5 %
Damping per 100 m (20 °C):	1 MHz: 1.6 dB 10 MHz: 4.4 dB 50 MHz: 11.6 dB 75 MHz: 12.8 dB 100 MHz: 14.4 dB

COLOR

■ black

ORDER-NO.

600-0761

VIDEO-/AUDIO-/POWER COMBI-CABLE

5 x 75 Ω MULTI-COAXIAL, 5 x HF 0.6/2.8 + 2 x 0.14 mm AUDIO + 3 x 2.5 mm² POWER

TRANSIT MC 523

☒ MOBILE
 ☒ STUDIO
 ☒ INSTALLATION
 ☒ ELA
☒ ANALOG
 ☒ DIGITAL
 ☒ SDI/HD-SDI

Standing ovations...

for our multi-talent in video and audio transmission. The **TRANSIT MC 523** has 5 video wires with very good damping values, a three-wire power cable with a diameter of 3 x 2.5 mm², and two additional shielded AES/EBU-microphone or control cables with a diameter of 2 x 0.14 mm².

With them you will be able to transmit images as well as audio data analog or digital. We equipped the RGBHV-cables with dense cross-braiding and an AL/PT-foil, the AF-wires are shielded with a dense copper spiral + AL/PT-foil. For better processing a filler litz has been added. The **TRANSIT MC 523** is flexible and easy to wind, suitable for installation in theatres, on open air stages, in media and congressional centres, and sporting arenas.

Ø mm
21.6

Shielding
100%

523 • 5x0.6/2.8 + 2x0.14 mm² + 3x2.5 mm² • by SOMMER CABLE Germany

APPLICATION:

- Fixed installation over long distances (theatres, sports arenas, media & congressional centers)
- Audio and video transmission

PRODUCT ADVANTAGES:

- Dependable, very high quality image, and sound transmission in one cable
- Easy to crimp and very good damping values due to the solid wire leads
- Extremely long life due to the special jacket mixture
- Small outer diameter, flexible, and easy to wind

TECHNICAL DATA

Type:	5+2-wires + power 3 x 2.5 mm ²
Jacket, diameter:	PVC 21.6 mm (total) PVC 4.5 mm (video)
Inner conductors:	5 x 0.61 mm copper-solid wire (video) (AWG23) 2 x 2 x 0.14 mm ² (audio) 3 x 2.5 mm ² (power)
Conductor insulation:	Cell-PE 2.8 mm
Shielding:	Copper braiding 95 % + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-25 °C...+70 °C
Fire load per m:	1.53 kWh
Weight per 1 m:	505 g
Packaging:	per m
Matching plug:	BNC0.6/2.8, NBNC75BFG7, NBNC75PFE7 BNC0.6/2.8HDTV-T

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF (audio)
Capac. cond./shield. per 1 m:	55 pF (video) 120 pF (audio)
Surge impedance:	75 Ω +/- 1 % (video)
Damping per 100 m (20 °C):	1 MHz: 1.0 dB 10 MHz: 3.2 dB 100 MHz: 10.2 dB 200 MHz: 15.3 dB 270 MHz: 20.2 dB 500 MHz: 26.0 dB 800 MHz: 34.0 dB

COLOR

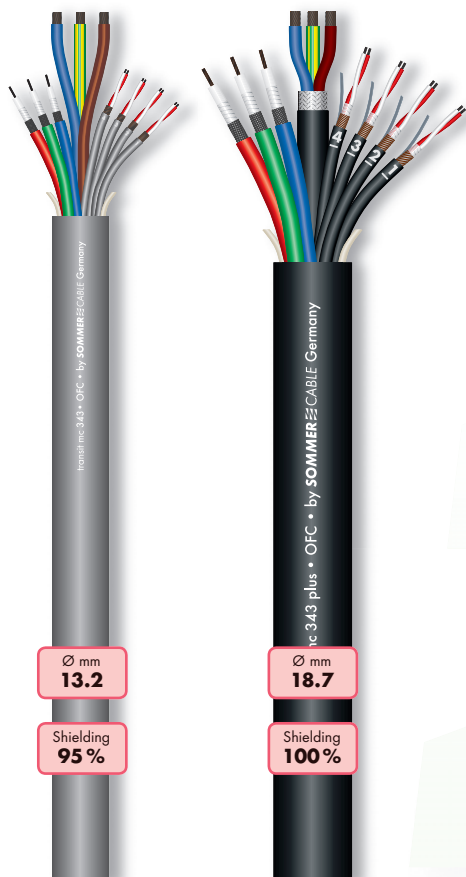
■ black

ORDER-NO.

600-0631-05

FREE SAMPLE
AVAILABLE!

FREE SAMPLE
AVAILABLE!



VIDEO-/AUDIO-/POWER COMBI-CABLE

3 x 0.60 mm + 4 x 2 x 0.14 mm² + 3 x 1.5 mm²/PUR HALOGENFREE OR
3 x 0.60 mm + 4 x 2 x 0.14 mm² + 3 x 1.5 mm² (SHIELDED)/PUR HALOGENFREE

TRANSIT MC 343

TRANSIT MC 343 PLUS

⊗ MOBILE ⊗ STUDIO ⊗ INSTALLATION ⊗ ELA

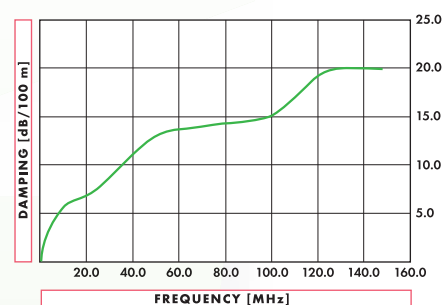
ANALOG DIGITAL HALOGEN-FREE PUR SDI/HD-SDI HDTV (only 343 Plus) OFC AQUA

The 7th sense...

still is up to you. But the **TRANSIT MC 343** can already see, hear, and feel, because it is made up of 3 high quality video wires, 4 shielded audio wires, and a power cable with a wire diameter of 3 x 1.5 mm² in a PUR-jacket.

The **TRANSIT MC 343** is the ideal multi-talent for the connection of transmission vehicles and other applications in the audio/video area. It especially stands out because of its endurance during high bending cycles, the simple construction, and the outstanding winding properties even in low temperatures.

The **TRANSIT MC 343 PLUS** was developed in cooperation with broadcast industries and has an additional shielded and insulated power cable (PUR). For video cables, BNC0.6/2.8 connectors common to the market can be used.



APPLICATION:

- Installation in broadcast/transmission vehicles
- Permanent installation
- Installation outdoors

PRODUCT ADVANTAGES:

- Dependable and loss-free transmission of image, sound, and power in one cable
- High bending cycles due to dense stranding and fine individual stranding
- Extremely resistant to the cold and windable, even in low temperatures

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

	TRANSIT MC 343	TRANSIT MC 343 Plus
Construction:	[3LI2YSC11Y0.40mm+4(2LI2Y0.14mm ²)D11Y+3LIY1.5mm ²]Y PUR	[3LI2YSC11Y0.60mm+4(2LI2Y0.14mm ²)D11Y+3LIY1.5mm ² CY]Y PUR
Jacket, diameter:	PUR 13.2 mm (total) Hytrel® 4.5 mm (audio)	PUR 18.7 mm (total) Hytrel® 4.5 mm (audio) PUR 11.8 mm (power)
Inner conductors:	3 x 0.40 mm (video) (AWG26) 4 x 2 x 0.14 mm ² (audio) 3 x 1.5 mm ² (power)	3 x 0.60 mm (video) (AWG23) 4 x 2 x 0.14 mm ² (audio) 3 x 1.5 mm ² (power)
Copper strand per conductor:	7 x 0.15 mm tin-plated (video) 18 x 0.10 mm (audio)	7 x 0.182 mm (video) 18 x 0.10 mm (audio)
Conductor insulation:	Cell-PE/Skin 2.3 mm (video), PE (audio)	Hytrel® 2.8 mm (video), PUR (Audio), PUR (power)
Shielding:	Copper braid. 95 % (video), copper spiral 92 % (audio)	Copper braid. 95 % (video); copper spiral 92 % (audio); copper braid. 55 % (power)
Shielding factor:	95 %	100 %
Temperature range:	-40 °C...+85 °C (total)	-40 °C...+85 °C (total)
Fire load per m:	1.32 kWh	1.78 kWh
Weight per 1 m:	251 g	325 g
Packaging:	per m	per m
Matching plug:	BNC0.4/2.5-T, NBTC75BVX6	BNC0.6/2.8, BNC0.6/2.8HDTV-T, 1-1189-2100
Color:	■ charcoal	■ black

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	90 pF (audio)	110 pF (audio)
Capac. cond./shield. per 1 m:	55 pF (video) 130 pF (audio)	59 pF (video) 195 pF (audio)
Surge impedance:	75 Ω +/- 5 % (video)	75 Ω +/- 5 % (video)
Damping per 100 m (20 °C):	0.1 MHz: 0.70 dB 1 MHz: 1.30 dB 10 MHz: 4.50 dB 100 MHz: 14.50 dB	0.1 MHz: 0.70 dB 1 MHz: 1.34 dB 10 MHz: 5.80 dB 100 MHz: 15.20 dB 270 MHz: 24.0 dB

ORDER-NO.

600-0806

600-0821

VIDEO/AUDIO/CONTROL POWER HYBRID CABLE

7 x 0.12/16 mm² + ...x2x0.14 mm² + ...x1.5 mm² + ...x0.14 mm² + 1x0.14 mm² C-YTRANSIT MC 72491
TRANSIT MC 73251

☒ MOBILE ☒ STUDIO ☒ INSTALLATION
☒ ANALOG ☒ DIGITAL ☒ OFC

Quite popular...

are the multi-hybrid cables **TRANSIT MC 72491** and **73251**. They were originally developed to connect broadcast cameras by Ikegami, Sony, and Philips (BTS). And in the meantime they have also become very popular for use in media technologies. They are suitable to connect LCD-monitors, plasma displays and projectors, including power supply (max. 24 V) and audio connection.

The cable is made up of 7 coaxial 75 Ω video cables, 2 or 3 balanced and shielded audio cables, a power supply with 2 or 4 x 1.5 mm² and many compact control cables for multiple use, one of which is shielded. This hybrid cable is highly flexible and extremely thin.

APPLICATION:

- For installation (studio, conference rooms, theatres, building technology)
- Connection of LCD/TFT-monitors, plasma monitors, projectors, and cameras (Philips, BTS, Sony etc.)

PRODUCT ADVANTAGES:

- Dependable transmission of image, sound, power, and controls in one cable
- Compact design with a flexible jacket

Ø mm
16.5Shielding
85%FREE SAMPLE
AVAILABLE!Ø mm
12.5Shielding
85%

VIDEO-/AUDIO-/POWER COMBI-CABLE

8x75 Ω 0.6/2.8 + 2x2x0.14mm² + 2xCAT.5E +3x2.5mm² S-PVC COLD FLEXIBLE

TRANSIT MC 8232

STRONG
SPVC

☒ MOBILE ☒ STUDIO ☒ INSTALLATION ☒ ELA
☒ ANALOG ☒ DIGITAL ☒ SDI/HD-SDI ☒ HDTV
☒ OFC

Multiculti...

or better: we have packed a little bit of everything into this cable. The **TRANSIT MC 8232** is SDI-suitable and equipped with a 8 x 75 Ω video cable with excellent damping values, a power cable with a wire diameter of 3 x 2.5 mm², two additional shielded microphone or control cables (wire diameter 2 x 0.14 mm²), and a CAT.5 networking cable. With it you can transmit image, computer, and audio data using one single cable. The perfect cable for the control of beamers and large TV-antennas.

APPLICATION:

- Installation in broadcasting / transmission vehicles
- Fixed installation
- Outdoor areas

PRODUCT ADVANTAGES:

- Dependable and loss-free transmission of images, sound, networking and power all in one cable.
- High bending cycles due to the dense stranding technique and the fine individual litz
- Video cable with a standard BNC-connector 0.6/2.8
- All wires shielded and insulated
- Extremely resistant to the cold + diverse weather conditions, easily windable even in low temperatures

Ø mm
27.0Shielding
100%FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

	MC 72491	MC73251
Jacket, diameter:	PVC 16,5 mm	PVC 12,5 mm
Inner cond. (video) (AWG28):	7 x 0,38 mm	7 x 0,38 mm
(audio) (AWG26):	2 x 2 x 0,14 mm ²	3 x 2 x 0,14 mm ²
(power):	4 x 1,5 mm ²	2 x 1,5 mm ²
(control) (AWG26):	9 x 0,14 mm ²	5 x 0,14 mm ²
(control shield.) (AWG26):	1 x 0,14 mm ²	1 x 0,14 mm ²
Copper strand per conductor:	tin-plated 18 x 0,10 mm (audio, control) tin-plated 7 x 0,127 mm (video) tin-plated 84 x 0,15 mm (power)	
Conductor insulation:	PVC + Skin PE 1,60 mm (video) PVC (audio, control, power)	
Shielding:	Copper shielding tin-plated, 95 % (audio, control, video) Copper braiding overall shielding tin-plated 85 %	
Shielding factor:	85 %	
Temperature range:	-25 °C...+70 °C	
Fire load per m:	0,97 kWh	0,90 kWh
Weight per 1 m:	310 g	280 g
Jacket color:	■ black	
Packaging:	per m	
Matching plug:	BNC0.3/1.8, NBTC75BF14 Hirose JIS C5432	

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	240 pF
Capac. cond./shield. per 1 m:	65 pF (video), 380 pF (audio), 320 pF (control)
Cond. resistance per 1 km:	48 Ω (video)
Surge impedance:	75 Ω +/- 5 %
Damping per 100 m (20 °C):	1 MHz: 2,3 dB 10 MHz: 7,2 dB 50 MHz: 16,2 dB 100 MHz: 24,5 dB 150 MHz: 28,3 dB

ORDER-NO.

600-0811

600-1211

TECHNICAL DATA

Jacket, diameter:	S-PVC (total) 27.0 mm S-PVC (power) 13.8 mm S-PVC (audio) 4.5 mm S-PVC (CAT5e) 5.5 mm
Inner conductors:	8 x 0.60 mm (video) 2 x 2 x 0.14 mm ² (audio) 3 x 2.5 mm ² (power)
Copper strand per conductor:	7 x 0.34 mm (video), 18 x 0.10 mm (audio)
Conductor insulation:	Hytrel 2.8 mm(video), PE (audio), PVC (power)
Shielding:	copper spiral, 95 % + foil, copper braid., 95 % + foil (video)
Shielding factor:	100 %
Temperature range:	-30 °C...+85 °C
Fire load per m:	2.58 kWh
Weight per 1 m:	754 g
Packaging:	per m
Matching plug:	BNC0.6/2.8, NBNC75BFG7, NBNC75PFE7 BNC0.6/2.8HDTV-T

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF (audio)
Capac. cond./shield. per 1 m:	59 pF (video), 130 pF (audio)
Surge impedance:	75 Ω +/- 3 % (video)
Damping per 100 m (20 °C):	0.1 MHz: 0.7 dB 1 MHz: 1.6 dB 10 MHz: 4.4 dB 50 MHz: 8.8 dB 100 MHz: 11.6 dB 150 MHz: 14.3 dB 270 MHz: 25.1 dB

COLOR

■ black

ORDER-NO.

600-0891

75 Ω + POWER COMBI-CABLE

RG59, VIDEO 75 Ω + 3x0.75mm² OR 3x1.5mm²,
PVC&PUR (HALOGEN FREE)

OBSERVER 1 & 2

⊗ MOBILE ⊗ STUDIO ⊗ INSTALLATION

ANALOG DIGITAL HALOGEN-FREE PUR SDI/HD-SDI
OFC AQUA

When a cable marries...

then it's forever! Inseparably the video and the power cable are united in one jacket.

The **OBSERVER** consists of a high quality 75 Ω video cable, surrounded by a power cable with a wire diameter of 3 x 0.75 mm² (**OBSERVER 1**) or 3 x 1.5 mm² (**OBSERVER 2**). This construction makes it possible to transmit video signals and simultaneously provide the power for the camera monitor.

The cable is very flexible, resistant to the cold, robust, and very easy to work with. The power infeed has been constructed according to VDE0281.

The **OBSERVER 1** has a jacket made of a PVC-mixture, the **OBSERVER 2** has a jacket with a cold-resistant and halogen-free PUR-mixture and an additional KEVLAR-support.

APPLICATION:

- Control of observation monitors
- Studio and fixed installation

PRODUCT ADVANTAGES:

- 75 Ω Cable and power infeed in one cable
- Great durability and high resistance due to the high quality PVC- or PUR-jacket
- Available for easy winding and in the cold-resistant PUR-version
- Very good damping values for the 75 Ω video cable
- Excellent shielding due to the combination of copper braiding and AL/PT-foil

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

	OBSERVER 1	OBSERVER 2
Construction video:	LI02YSC12Y0.34mm ²	LI02YSC12Y0.34mm ²
Construction Netzadern:	3 x 0.75 mm ²	3 x 1.5 mm ²
Jacket, diameter:	PVC, 9.6 mm	PUR, 9.8 mm
Copper str. per cond. (video):	19 x 0.15 mm (bare) (AWG22)	7 x 0.25 mm (bare) (AWG22)
Conductor insulation (video):	3.0 mm Cell-PE with skin	3.3 mm Cell-PE
Shielding (video):	Copper braid, tin-pl. + AL/PT-foil	Copper braiding
Shielding factor:	100 %	100 %
Temperature range:	-20 °C...+70 °C	-30 °C...+70 °C
Fire load per m:	0.39 kWh	0.52 kWh
Weight per 1 m:	65 g	85 g
Packaging:	per m	per m
Matching plug:	NBNC75BJJ9	NBNC75BJJ9

ELECTRICAL DATA

Impedance (video):	75 Ω +/- 1 %	75 Ω +/- 1 %
Capac. cond./shield. per 1 m:	58 pF	58 pF
Cond. resistance per 1 km:	50 Ω	50 Ω
Damping per 100 m (20 °C):	1 MHz: 0.95 dB 5 MHz: 2.30 dB 10 MHz: 3.30 dB 100 MHz: 11.00 dB 270 MHz: 22.9 dB	1 MHz: 0.95 dB 5 MHz: 2.30 dB 10 MHz: 3.30 dB 100 MHz: 11.00 dB 270 MHz: 22.9 dB

COLOR

- black, video + 3 x 0.75 mm² PVC
- black, video + 3 x 0.75 mm² halogen-free
- black, video + 3 x 1.50 mm² PUR, halogen-free

ORDER-NO.

- 603-0101
- 603-0101H
- 604-0101

AVI VIDEO/CONTROL CABLE, 0.3/1.7

75 Ω, 2 x HF 0.3/1.7 + 2 x 0.75mm² CONTROL CABLE

SC-KINETIC

⊗ STUDIO ⊗ INSTALLATION

ANALOG OFC

A loner...

among the hybrid cables is the new **SC-KINETIC**, because of it's specifications it doesn't seem to fit into any cliché. Although it is extremely versatile!

Originally it was intended to connect Philips beamers and projectors, thus the special construction of the two video cables 0.3/1.7. The 75 Ω cables are shielded with a copper spiral and placed between two control cables with a good wire diameter of 2 x 0.75 mm².

The **SC-KINETIC** is 96 % optically opaque with very dense copper braiding and an additional litz (0.75 mm²) for better handling. Naturally the **SC-KINETIC** can be used for thousands of different applications. If the cable is not used as an AVI-cable the running length of the 0.3/1.7 cable should not exceed 40 - 50 meters.

APPLICATION:

- Fixed installation and connection of Philips AVI-systems
- Audio and video transmission

PRODUCT ADVANTAGES:

- Dependable transmission of image and control signals in one cable
- Easy to work with and excellently shielded
- Various applications in video technology
- Small outer diameter, flexible, and easy to wind

FREE SAMPLE
AVAILABLE!

TECHNICAL DATA

Construction:	[2(02YS)Y+2(2LI2Y0.75mm ²)Y]CY
Jacket, diameter:	PVC 6.0 mm (total) PVC 1.8 mm (video)
Inner conductors:	2 x 0.75 mm ² (control) 2 x 0.3 mm copper-solid wire (video) (AWG22)
Conductor insulation:	cell-PE 1.7 mm
Shielding:	Copper-cross mesh, tin-plated 65 %
Shielding factor:	65 %
Temperature range:	-25 °C...+70 °C
Fire load per m:	0.20 kWh
Weight per 1 m:	45 g
Packaging:	100 m roll
Matching plug:	BNC0.3/1.8

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	58 pF (video)			
	120 pF (control)			
Surge impedance:	75 Ω +/- 1%			
Damping per 100 m (20 °C):	1 MHz:	2.3 dB	10 MHz:	7.3 dB
	25 MHz:	12.2 dB	50 MHz:	18.4 dB
	75 MHz:	22.0 dB	100 MHz:	26.0 dB

COLOR

- black

ORDER-NO.

- 600-0441

VIDEO INTERCOM CABLE

75 Ω VIDEO 0.6L/3.7 + CONTROL CABLE OR 75 Ω VIDEO 0.3/1.8 + CONTROL CABLE

SC-INTERCOM

✗ MOBILE ✗ INSTALLATION ✗ ELA
ANALOG DIGITAL

Help, I am surrounded...

by a whole bunch of small control wires! Our **SC-INTERCOM** mini & maxi is a problem solver for almost 95 % of all applications you will be facing with video cables. The mini is a 0.3/1.8 video cable with various control cables, while the maxi includes an RG59-video cable (+control cables).

The video cable has excellent shielding with an opaqueness of more than 96 % and the control cables consist of wires either measuring 0.10 or 0.20 mm² with oxygen-free copper. The **SC-INTERCOM** is also very reasonably priced and primarily used for fixed installation.

We recommend the mini version for lengths up to approx. 40 m. Version maxi can – depending on the use – transmit signals for hundreds of meters without a problem.

APPLICATION:

- Control of surveillance monitors
- Studio installation and fixed installation
- All video-technical applications

PRODUCT ADVANTAGES:

- 75 Ω cable and control cable in one
- Very durable and resistant with a high quality PVC-jacket
- Reasonable price
- Very good damping values for the 75 Ω video cable

RG59 + CONTROL

RG59, VIDEO 75 Ω + 2 x 0,75 mm² OR 2 x 1,5 mm²

SC-CLASSIC CONTROL

✗ INSTALLATION

ANALOG DIGITAL OFC

For curious people...

we developed this cable. It consists of a high quality RG 59-video cable and two additional insulated wires in a jacket. The **CLASSIC CONTROL** is suitable for the surveillance monitor connection, with the 2 x 0.75 mm² and 2 x 1.5 mm² being used as control wires. The cable has a robust PVC-jacket that is ideal for outdoor installation.

This cable is – due to the design – oval and cannot be wound. The windable version with 3 power conductors is available in the Main Catalogue under the name **OBSERVER**.

APPLICATION:

- Connection of surveillance monitors
- Studio and fixed installation

PRODUCT ADVANTAGES:

- 75 Ω cable and control cable in one
- Very durable and resistant with a high quality PVC-jacket
- Very simple to work with and reasonably priced

FREE SAMPLE AVAILABLE!

Ø mm 5.8	Ø mm 7.8	Ø mm 12.1
mm ² 0.09	mm ² 0.09	Ø Wire 0.58

Ø mm 10.5	Ø mm 11.3
Shielding 90%	Shielding 90%

TECHNICAL DATA

	IC MINI12	IC MINI128	IC MAXI139
Construction:	1 x 0.3/1.8 + 2 x 0.75 mm ²	1 x 0.3/1.8 + 2 x 0.5 mm ² + 8 x 0.22 mm ²	1 x 0.6/3.7 + 3 x 1.0 mm ² + 9 x 0.75 mm ²
Jacket, diameter:	PVC, 5.8 mm	PVC, 7.8 mm	PVC, 12.1 mm
Inner conductor:	0.09 mm ² (AWG28)	0.09 mm ² (AWG28)	Ø 0.58 mm (AWG23)
Copper strand per cond.:	7 x 0.13 mm tin-plated copper	7 x 0.13 mm tin-plated copper	1 x 0.58 mm solid copper
Cond. insulation (video):	Skin-PE 1.8 mm	Skin-PE 1.8 mm	PE 3.7 mm
Shielding (video):	tin-pl. copper braid.	tin-pl. copper braid.	copper braid. bare
Shielding factor:	80 %	80 %	96 %
Temperature range:	-35 °C...+80 °C	-35 °C...+80 °C	-35 °C...+80 °C
Fire load per m:	0.38 kWh	0.73 kWh	0.80 kWh
Weight per 1 m:	52 g	90 g	240 g
Jacket color:	■ grey	■ grey	■ grey
Packaging:	500 m roll/ per m	500 m roll/ per m	500 m roll/ per m
Matching plug:	BNC0.3/1.8 NBTC75BLI5	BNC0.3/1.8 NBTC75BLI5	BNC0.6/3.7 NBNC75BLP7

ELECTRICAL DATA

Surge impedance:	75 Ω +/- -3 %	75 Ω +/- -3 %	75 Ω +/- -3 %
Capac. cond./shield. 1 m:	61 pF	61 pF	67 pF
Velocity factor:	0.82	0.82	0.66
Damping at 100 m: (20 °C)	10 MHz: 8.3 dB 50 MHz: 14.2 dB 100 MHz: 19.8 dB 200 MHz: 28.9 dB 400 MHz: 42.8 dB	8.3 dB 14.2 dB 19.8 dB 28.9 dB 42.8 dB	3.7 dB 7.6 dB 10.9 dB 15.8 dB 22.7 dB

ORDER-NO.

600-0436-02

600-0436-10

600-0436-12

TECHNICAL DATA

	SC-CLASSIC CONTROL 2075	SC-CLASSIC CONTROL 2150
Construction video:	LI02YSC12Y0.60mm ²	LI02YSC12Y0.60mm ²
Construction power cond.:	2 x 0.75 mm ²	2 x 1.5 mm ²
Jacket, diameter:	PVC 10.5 mm oval	11.3 mm oval
Copper strand/cond. (video):	0.60 mm copper blank (AWG23/1)	0.60 mm copper blank (AWG23/1)
Cond. insulation:	PE 3.6 mm	PE 3.6 mm
Shielding (video):	Copper braiding	Copper braiding
Shielding factor:	90 %	90 %
Temperature range:	-20 °C...+70 °C	-20 °C...+70 °C
Fire load per m:	0.30 kWh	0.30 kWh
Weight per 1 m:	55 g	65 g
Jacket color:	■ black	■ black
Packaging:	per m	per m
Matching plug:	BNC0.6/3.7 BNC59 NBNC75BLP7	BNC0.6/3.7 BNC59 NBNC75BLP7

ELECTRICAL DATA

Impedance (video):	75 Ω +/- -3 %	75 Ω +/- -3 %
Capac. cond./shield. 1 m:	67 pF	67 pF
Cond. resistance per 1 km:	150 Ω	150 Ω
Damping per 100 m (20 °C):	1 MHz: 1.1 dB 5 MHz: 2.5 dB 10 MHz: 3.5 dB 100 MHz: 10.2 dB 270 MHz: 17.0 dB	1 MHz: 1.1 dB 5 MHz: 2.5 dB 10 MHz: 3.5 dB 100 MHz: 10.2 dB 270 MHz: 17.0 dB

ORDER-NO.

600-0481-2075

600-0481-2150