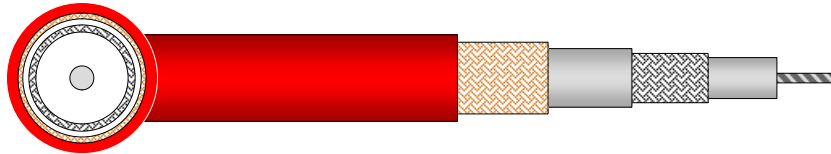




Triflex Cables

Triaxial Camera Cables



Application

Triaxial camera cables are used in professional studio applications for simultaneous transmission of energy and multiplex image signals between camera head and control system. They are available as different types optimized for use inside studios and outdoor application.

Standards

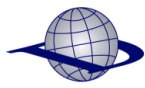
Flame resistance

Construction

Inner conductor	stranded copper wires, silvered
Insulation	Foam-PE, natural coloured
1 st outer conductor	copper braid, silvered
Insulation	thermoplastic elastomer, natural coloured
2 nd outer conductor	copper braid, bare
Sheath	PVC-special altern. PU, altern. PU-special red, RAL 3000, altern. black RAL 9005

Dimensions

	Triflex 8, Triflex 8/1	Triflex 11	
Inner conductor	stranded copper wire, silvered	Ø 1.0 mm	Ø 1.4 mm
Insulation	foam-PE	Ø 4.5 mm	Ø 6.5 mm
Inner screen	copper braid, silvered	Ø 5.1 mm	Ø 7.1 mm
Insulation	thermoplastic elastomer	Ø 6.6 mm	Ø 8.6 mm
Outer screen	copper braid, bare	Ø 7.2 mm	Ø 9.2 mm
Sheath	red, RAL 3000	Ø 8.4 mm	Ø 10.9 mm
Sheath, reinforced	black, RAL 9005	Ø 8.9 mm	
Sheath marking	DRAKA COMTEQ - TRIFLEX 8 HDTV Ch.-Nr. alter. DRAKA COMTEQ TRIFLEX 8/1 DMC-FLEX-11Y / VERSTAERKT HDTV Ch.-Nr.	DRAKA COMTEQ - TRIFLEX 11 HDTV Ch.-Nr. altern. DRAKA COMTEQ TRIFLEX TRIFLEX 11-11Y HDTV Ch.-Nr.	



Triflex Cables

Mechanical properties

Minimum bending radius	without load	60 mm
	with load	120 mm
Operating temperature	for PVC, DMC – Flex, PU and DMC-FLEX PU	-40°C up to +70°C

Electrical properties: Triflex 8, Triflex 8/1

at 20°C

Characteristic impedance		75 Ω ± 3 %
Mutual capacitance	800 Hz	54 pF/m
DC resistance	inner conductor	28 Ω/km
	inner screen	12 Ω/km
	outer screen	10 Ω/km
Insulation resistance	inner conductor/inner screen	≥ 10 ⁴ MΩ*km
	inner screen/outer screen	≥ 10 ³ MΩ*km
Max. operating voltage		300 V
Screening factor	30 – 1000 MHz	≥ 75 dB

Electrical properties: Triflex 11

at 20°C

Characteristic impedance		75 Ω ± 3 %
Mutual capacitance	800 Hz	54 pF/m
DC resistance	inner conductor	15 Ω/km
	inner screen	10 Ω/km
	outer screen	8 Ω/km
Insulation resistance	inner conductor/inner screen	≥ 10 ⁴ MΩ*km
	inner screen/outer screen	≥ 10 ³ MΩ*km
Max. operating voltage		400 V
Screening factor		≥ 75 dB

Electrical data: Triflex 8, Triflex 8/1

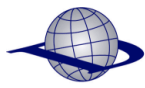
at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
1	0.7	1 – 100	> 26
10	2.6	100 – 300	> 23
20	3.6		
40	5.2		
50	5.8		
60	6.4		
100	8.4		
300	15.1		

Electrical data: Triflex 11

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
1	0.5	1 – 100	> 26
10	1.8	100 – 300	> 23
20	2.7		



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40	3.9		
50	4.5		
60	4.9		
100	6.5		
300	11.6		

Technical data

Product code	Type	Weight kg/km	Copper content m	Standard delivery length KTG/ring	Drum size	Bending radius N	Tensile force mm	Storage
1002244 CT2767300	Triflex 8 Special PVC	90	55	1000	081	60	260	inside
1002255 CT2767900	Triflex 8 PU	85	55	1000	081	60	260	inside
1002256 CT2767901	Triflex 8/1 DMC-Flex PU	93	55	1000	081	65	260	inside
1002249 CT2767400	Triflex 11 Special PVC	140	79	1000	091	80	350	inside
1002259 CT2768100	Triflex 11 PU	140	79	1000	091	80	350	inside
1002260 CT2768101	Triflex 11 DMC-Flex PU	140	79	1000	091	80	350	inside