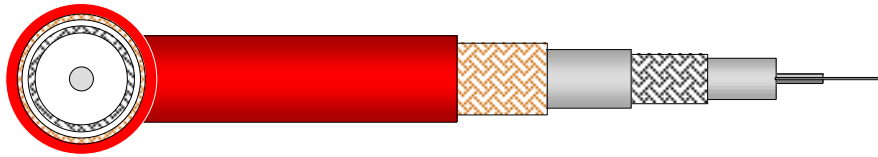


Triaxial Camera Cables Triflex Cables



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.

Construction

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

Technical data

Product code	Type	Weight kg/km	Copper content kg/km	Standard delivery length m	Drum size KTG	Bending radius mm	Ten- sile force N	Storage
CT2767300	Triflex 8 Special PVC	90	55	1000	081	60	260	inside
CT2767900	Triflex 8 PU	85	55	1000	081	60	260	inside
CT2767901	Triflex 8/1 PU/special	95	55	1000	081	65	260	inside
CT2767400	Triflex 11 Special PVC	140	79	1000	091	80	350	inside
CT2767401	Triflex 11 Special PVC	140	79	1000	091	80	350	inside
CT2768100	Triflex 11 PU	140	79	1000	091	80	350	inside
CT2768101	Triflex 11 DMC-Flex PU	140	79	1000	091	80	350	inside

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Dimension

	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 9.2 mm	
Sheath marking	"DRAKA MULTIMEDIA CABLE – GERMANY - TRIFLEX 8 alter. TRIFLEX 8/1 PUR- SPEZIAL/VERSTAERKT"	" DRAKA MULTIMEDIA CABLE – GERMANY - TRIFLEX 11" altern. TRIFLEX 11 PUR - SPEZIAL

Electrical properties at 20 °C

	Triflex 8 Triflex 8/1	Triflex 11
Characteristic impedance	75 Ω ± 3 %	
Mutual capacitance at 800 Hz	54 pF/m	
DC resistance	inner conductor inner screen outer screen	15 Ω/km 10 Ω/km 8 Ω/km
Insulation resistance	inner conductor/inner screen inner screen/outer screen	≥ 10 ⁴ MΩxkm ≥ 10 ³ MΩxkm
Attenuation at 20 °C	1 MHz 10 MHz 20 MHz 40 MHz 50 MHz 60 MHz 100 MHz 300 MHz	0.5 dB/100m 1.8 dB/100m 2.7 dB/100m 3.9 dB/100m 4.5 dB/100m 4.9 dB/100m 6.5 dB/100m 11.6 dB/100m
Max. operation voltage	300 V	400 V
Return loss	1 - 100 MHz 100 - 300 MHz	≥ 26 dB ≥ 23 dB
Screening factor	30 - 1000 MHz	≥ 75 dB