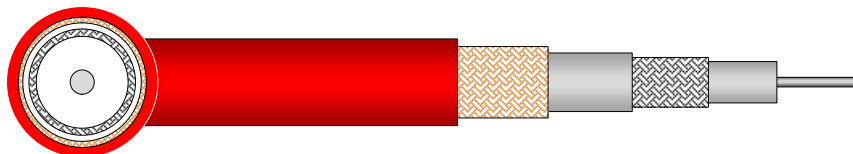


## Triaxial Camera Cables Triax Cables



### 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

<b>Inner conductor</b>	solid copper wire, silvered or stranded copper wires, silvered
<b>Insulation</b>	Foam-PE
<b>1<sup>st</sup> outer conductor</b>	copper braid, thick silvered
<b>Insulation</b>	PE
<b>2<sup>nd</sup> outer conductor</b>	copper braid, bare
<b>Sheath</b>	PVC, PU (standard or reinforced type) or FRNC
<b>Sheath colour</b>	red, RAL 3000 altern. Black or grey

### Technical data

Product code	Type	Weight	Copper content	Standard delivery length	Drum size	Bending radius	Tensile force	Storage
		kg/km	kg/km	m	KTG	mm	N	
CT2765705	Triax 8 PVC grey	92	55	1000	081	85	220	inside
CT2765700	Triax 8 PVC red	92	55	1000	081	85	220	inside
CT2765500	Triax 8 PU	87	55	1000	081	85	220	inside
CT2853201	Triax 8 FRNC	95	55	1000	081	85	220	inside
CT2853203	Triax 8 FRNC reinforced	105	55	1000	081	90	220	inside
CT2766400	Triax 11 PVC	142	79	1000	091	110	300	inside
CT2766404	Triax 11 PE black	125	79	1000	091	110	300	outside
CT2766600	Triax 11 PU red	133	79	1000	091	110	300	inside
CT2766601	Triax 11 PU black	133	79	1000	091	110	300	inside
CT2767101	Triax 11/1 PU reinforced	158	79	1000	091	120	300	inside
CT2850801	Triax 11 FRNC	142	79	1000	091	110	300	inside
CT2766700	Triax 14 PVC	250	152	1000	101	145	550	inside
CT2766704	Triax 14 PE	240	152	1000	101	145	550	outside
CT7666700	Triax 14 FRNC	240	152	1000	101	145	550	inside
CT2767000	Triax 14 PU	231	152	1000	101	145	550	inside

## Triaxial Camera Cables Triax Cables

### Dimensions

	Triax 8	Triax 11, Triax 11/1	Triax 14
Inner conductor	copper wire, silvered	Ø 1.0 mm	Ø 1.4 mm
	stranded copper wires, silvered	-	-
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	PE	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
	reinforced, sign/1	Ø 8.9 mm	Ø 12.2 mm
Sheath marking	"DRAKA MULTIMEDIA CABLE – GERMANY KAMERAKABEL TRIAx 8"	"DRAKA MULTIMEDIA CABLE - GERMANY KAMERAKABEL TRIAx 11"	"DRAKA MULTIMEDIA CABLE - GERMANY KAMERAKABEL TRIAx 14"

### Electrical properties at 20 °C

	Triax 8	Triax 11, Triax 11/1	Triax 14	
Characteristic impedance	75 Ω ± 3 %			
Mutual capacitance at 800 Hz	54 pF/m			
DC resistance	inner conductor	25 Ω/km	13 Ω/km	6 Ω/km
	inner Screen	12 Ω/km	10 Ω/km	6 Ω/km
	outer Screen	10 Ω/km	8 Ω/km	4 Ω/km
Insulation resistance	inner conductor/inner screen	≥ 10 <sup>4</sup> MΩxkm		
	inner screen/outer screen	≥ 10 <sup>3</sup> MΩxkm		
Attenuation at 20 °C	1 MHz	0.6 dB/100m	0.5 dB/100m	0.4 dB/100m
	10 MHz	2.2 dB/100m	1.6 dB/100m	1.1 dB/100m
	20 MHz	3.2 dB/100m	2.3 dB/100m	1.6 dB/100m
	40 MHz	4.6 dB/100m	3.3 dB/100m	2.3 dB/100m
	50 MHz	5.1 dB/100m	3.7 dB/100m	2.6 dB/100m
	60 MHz	5.6 dB/100m	4.1 dB/100m	2.8 dB/100m
	100 MHz	7.5 dB/100m	5.4 dB/100m	3.8 dB/100m
	300 MHz	13.8 dB/100m	10.3 dB/100m	7.7 dB/100m
Max. operation voltage	300 V	400 V	600 V	
Return loss	1 - 100 MHz	≥ 26 dB		
	100 - 300 MHz	≥ 23 dB		
Screening factor	30 - 1000 MHz	≥ 75 dB		