



triaxial camera cable

flexible, Ø 14.0 mm - PVC / PUR

- silver-plated inner conductors + inner braid
- outer jacket from PVC or robust PUR
- max. transmission length 1400-2100 m (depending on camera type)

sale

PVC

PUR

Triaxial cables are primarily used for electrical connections for video cameras and transmission systems. Their high-quality materials and high-precision balanced design maximise their transmission properties (low attenuation, even characteristic impedance). The smooth outer braided screen enables cameras to be supplied with power. The cable is also available with PUR outer jacket (normally PVC) for uses involving a high degree of mechanical stress. The FRNC-jacket is used for installations in studios.

construction

inner conductor	stranded silver-plated copper, Ø 2.2 mm
insulation	foam PE, Ø 9.7 mm
1. shield	silver-plated copper braid
insulation	PE, Ø 11.9 mm
2. shield	bare copper braid
outer jacket	PUR or PVC
overall diameter	14.5 mm

mechanics

min. bending radius	140 mm
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electric

characteristic impedance	75 Ω ± 3%
capacitance cond.	
1. shield	54 pF/m
DC resistance	
inner conductor	6 Ω/km
1. shield	6 Ω/km
screening attenuation	
30 MHz - 1 GHz	> 75 dB
attenuation [dB/100m]	
1 MHz	0.4
10 MHz	1.1
20 MHz	1.6
50 MHz	2.6
100 MHz	3.8
return loss	
1 - 100 MHz	> 26 dB
100 - 300 MHz	> 23 dB
max. operating voltage	600 V

order code	ref. type	outer jacket	working temperature	cable color	weight kg/m
TRIA14LP	triax 14	PUR	-40°C / +70°C	red	0.23
TRIA14LY	triax 14	PVC	-20°C / +70°C	red	0.24

technical specifications are subject to change