



triaxial installation camera cable

Ø 11.0 mm - FRNC - Eca

- silver-plated inner conductors + inner braid
- flame retardant and non corrosive (FRNC)
- max. transmission length ca. 900-1400 m (depending on camera type)
- CPR class Eca acc. to EN50575

FRNC

Eca

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	solid silver-plated copper wire, Ø 1.4 mm
insulation	foam PE, Ø 6.5 mm
1. shield	silver-plated copper braid, >90% coverage
insulation	PE, Ø 8.5 mm
2. shield	bare copper braid, 85% coverage
outer jacket	FRNC
overall diameter	11 mm

mechanics

min. bending radius	110 mm
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electric

characteristic impedance	75 Ω ± 2%
capacitance cond.	
1. shield	54 pF/m
DC resistance	
inner conductor	< 13 Ω/km
1. shield	< 8 Ω/km
screening attenuation	
30 MHz - 1 GHz	> 75 dB
attenuation [dB/100m]	
1 MHz	0.5
5 MHz	1.1
10 MHz	1.6
20 MHz	2.3
50 MHz	3.7
100 MHz	5.3
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
TRIA11SH	triax 11	FRNC	-30°C / +70°C	red	0.15

technical specifications are subject to change