



**triaxial camera cable
flexible, Ø 8.4 mm - PUR**

- flexible silver-plated stranded inner conductor
- robust PUR overall jacket
- max. transmission length 500-720 m (depending on camera type)

PUR

**UHD
4K**

HDTV

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.

design

inner conductor	stranded silver-plated copper, 7x 0.36 mm
insulation/1. shield	foam PE, Ø 4.5 mm
1. shield	silver-plated copper braid, >90% coverage
insulation/2. shield	TPE
2. shield	bare copper braid, 85% coverage
outer jacket	PUR
overall diameter	8.4 mm

mechanical & thermal characteristics

operating temperature	-50°C / +85°C
min. bending radius	
fixed installed	35 mm
mobile use	70 mm
no hazardous substances	acc. to EU directive RoHS 2011/65/EU from 08.06.2011
CE conformity	acc. to EU directive LVD 2006/95/EG
microbiological resistant	acc. to EN 50396 (saponification number > 200 mg KOH/gm)
hydrolysis resistant	acc. to EN 50396 part 10.3 and EN 50363-10-2
ozone resistance	acc. to EN 60811-2-1
UV resistance	acc. to DIN EN 50289-4-17:2011
cold resistant	down to -50°C acc. to UL 1581
flame retardancy	acc. to IEC 60332-1-2
halogen-free	acc. to IEC 60754-1 and IEC 60754-2

electric

characteristic impedance	75 Ω ± 2%
capacitance cond./1. shield	
1. shield	54 pF/m
DC resistance	
inner conductor	< 26 Ω/km
1. shield	< 10 Ω/km
screening attenuation	
30 MHz - 1 GHz	> 75 dB
nom. attenuation [dB/100m]	
1 MHz	< 0.7
10 MHz	< 2.6
20 MHz	< 3.7
50 MHz	< 5.9
100 MHz	< 8.4
return loss	
1 - 100 MHz	> 26 dB
100 - 300 MHz	> 23 dB
max. operating voltage	500 V

order code	ref. type	outer jacket	operating temperature	cable color	weight kg/m	standard lengths m
TRIA08LP	triax 8	PUR	-40°C / +70°C	red	0,1	50 / 100 / 200 / 300 / 500

technical specifications are subject to change