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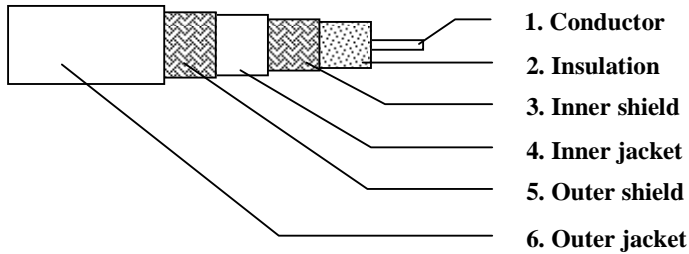
APPLICATION

Triaxial camera cable used to interconnect video cameras to related equipment.


DESCRIPTION

Triaxial camera cable: 11.3 mm triax with stranded center conductor and flexible PVC jacket.

CONSTRUCTION



1. Conductor	
Material	Stranded, silver plated copper
Diameter	1.42 mm (19x0.28 mm)
2. Insulation	
Material	Foam polyethylene
Diameter over insulation	6.5 ± 0.2 mm
3. Inner shield	
Material	Silver plated copper braid
Minimum coverage	90%
Diameter over braid	7.2 mm nominal
4. Inner jacket	
Material	Polyethylene
Diameter over jacket	8.5 ± 0.2 mm
5. Outer shield	
Material	Bare copper braid
Minimum coverage	85%
Diameter over braid	9.2 mm nominal
6. Outer jacket	
Material	PVC
Diameter over jacket	11.3 ± 0.2 mm

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REQUIREMENTS AND TEST METHODS

Electrical:

Nominal impedance	75 Ohms
Nominal capacitance conductor to shield @ 1 kHz	54 pF/m
Nominal velocity of propagation	82%
Nominal conductor DC resistance @ 20°C	14.0 Ohm/km
Nominal shield DC resistance @ 20°C: Inner shield	7.4 Ohm/km
Outer shield	5.5 Ohm/km
Minimum structural return loss @ 5-850MHz	21 dB
Screening attenuation @ 30 to 850 MHz	75 dB
Nominal attenuation @ 1 MHz	0.5 dB/100m
5 MHz	1.1 dB/100m
10 MHz	1.7 dB/100m
100 MHz	5.6 dB/100m
360 MHz	11.5 dB/100m
750 MHz	17.1 dB/100m

Mechanical and physical:

Temperature rating (installation)	-5 to +70 °C
Temperature rating (operating/storage)	-40 to +70 °C
Minimum bending radius (without pulling tension)	115 mm
Maximum pulling tension	270 N



Belden CDT believes this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.