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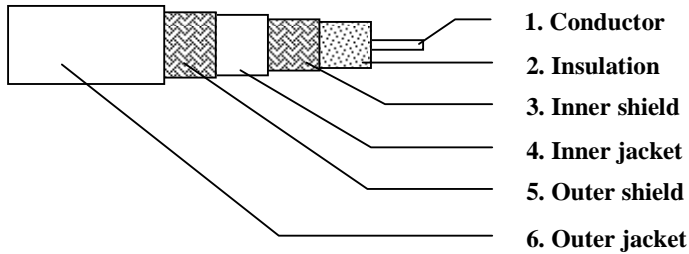
APPLICATION

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

DESCRIPTION

Triaxial camera cable: 14.5 mm triax with stranded center conductor and FRNC jacket.

CONSTRUCTION



1. Conductor	
Material	Stranded, bare copper
Diameter	2.2 mm (7x0.75 mm)
2. Insulation	
Material	Foam polyethylene
Diameter over insulation	9.7 ± 0.2 mm
3. Inner shield	
Material	Bare copper braid
Minimum coverage	80%
Diameter over braid	10.4 mm nominal
4. Inner jacket	
Material	Polyethylene
Diameter over jacket	11.9 ± 0.2 mm
5. Outer shield	
Material	Bare copper braid
Minimum coverage	80%
Diameter over braid	12.6 mm nominal
6. Outer jacket	
Material	FRNC
Diameter over jacket	14.5 ± 0.2 mm

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REQUIREMENTS AND TEST METHODS

Electrical:

Nominal impedance	75 Ohms
Nominal capacitance conductor to shield @ 1 kHz	55 pF/m
Nominal velocity of propagation	81%
Nominal conductor DC resistance @ 20°C	5.7 Ohm/km
Nominal shield DC resistance @ 20°C: Inner shield	6.4 Ohm/km
Outer shield	4.1 Ohm/km
Minimum structural return loss @ 5-850MHz	21 dB
Screening attenuation @ 30 to 850 MHz	75 dB
Nominal attenuation @ 1 MHz	0.4 dB/100m
10 MHz	1.3 dB/100m
20 MHz	1.7 dB/100m
40 MHz	2.5 dB/100m
50 MHz	2.8 dB/100m
60 MHz	3.1 dB/100m
100 MHz	4.2 dB/100m
270 MHz	7.0 dB/100m
300 MHz	7.6 dB/100m
540 MHz	10.1 dB/100m
1000 MHz	14.3 dB/100m

Mechanical and physical:

Temperature rating (installation)	-5 to +70 °C
Temperature rating (operating/storage)	-30 to +70 °C
Resistance to flame propagation:	To meet International Standard IEC 60332-1
Minimum bending radius (without pulling tension)	150 mm
Maximum pulling tension	550 N



Belden declares 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.