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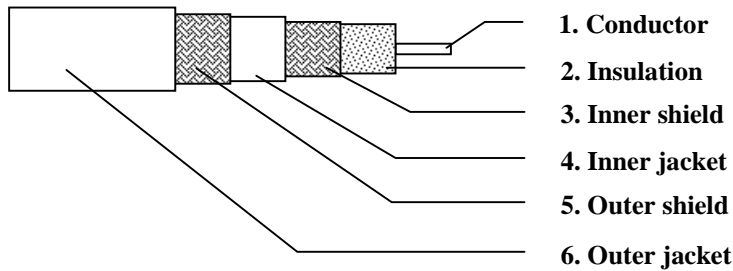
APPLICATION

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

DESCRIPTION

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

CONSTRUCTION



- | | |
|--------------------------|--------------------------------|
| 1. Conductor | |
| Material | Stranded, silver plated 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 | Silver plated copper braid |
| Nominal coverage | 80% |
| Diameter over braid | 10.4 mm nominal |
| 4. Inner jacket | |
| Material | FRNC |
| Diameter over jacket | 11.9 ± 0.2 mm |
| 5. Outer shield | |
| Material | Bare copper braid |
| Nominal 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
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.