

TECHNICAL DATA SHEET	code	7784APU
	version	1
	date	2008-11-19
	page	1/2

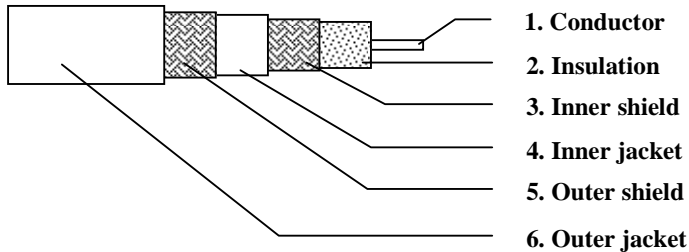
APPLICATION

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


DESCRIPTION

Triaxial camera cable: 11.3mm triax with solid center conductor and flexible PUR jacket.

CONSTRUCTION



1. Conductor	
Material	Solid, silver plated copper
Diameter	1.40 mm (AWG15)
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	PUR
Diameter over jacket	11.3 ± 0.2 mm

	TECHNICAL DATA SHEET	code	7784APU
		version	1
		date	2008-11-19
	Triax 11 camera cable PUR	page	2/2

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal impedance	75 Ohms
Nominal inductance	0.4 μ H/m
Nominal capacitance conductor to shield @ 1 kHz	55 pF/m
Nominal velocity of propagation	81%
Nominal delay	4.1 ns/m
Nominal conductor DC resistance @ 20°C	11 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	23 dB
Screening attenuation @ 30 to 850 MHz	75 dB
Nominal attenuation @ 5 MHz	1.2 dB/100m
50 MHz	3.6 dB/100m
71.5 MHz	4.3 dB/100m
88.5 MHz	4.8 dB/100m
100 MHz	5.2 dB/100m
180 MHz	7.1 dB/100m
270 MHz	8.8 dB/100m
750 MHz	15.2 dB/100m
1000 MHz	18.0 dB/100m
1500 MHz	22.0 dB/100m
2000 MHz	26.0 dB/100m
2500 MHz	32.0 dB/100m
3000 MHz	34.0 dB/100m

Mechanical and physical:

Temperature rating (installation)	-20 to +70 °C
Temperature rating (operating/storage)	-30 to +70 °C
Minimum bending radius (without pulling tension)	110 mm
Maximum pulling tension	100 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.