

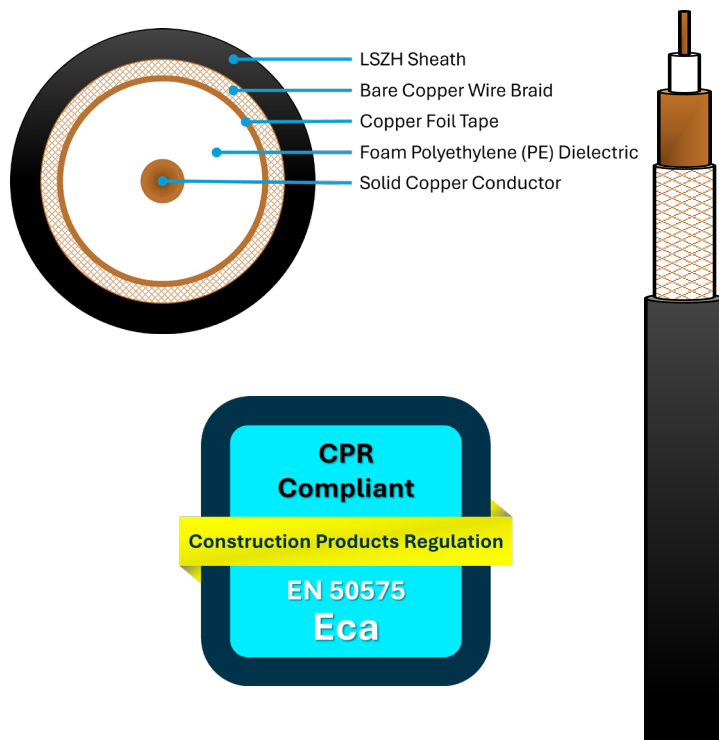
CT125 Ohm Coaxial Cable

Connectix CT125 75 Ohm Coaxial Cable is used for interconnecting data or telecoms industry equipment for the principal transmission of radio frequency (RF), including terrestrial, digital aerial, cable television (CATV) and satellite television (STV) connections, transmission of closed-circuit television (CCTV) imagery, and broadband signals.

Manufactured with a flame retardant; low smoke zero halogen (LSZH), UV resistant black sheath, copper wire braiding, copper foil tape encapsulating a foam polyethylene (PE) dielectric core bonded to a solid copper conductor. Designed for longer runs due to the larger central conductor and lower loss performance.

Features & Benefits

- Black LSZH UV resistant sheath
- Flame retardant per IEC 60332-1-2
- Foam filled dielectric gives stable electrical characteristics
- Dual screened, copper braid and copper foil tape
- RoHS and REACH compliant



Applications

- Digital TV
- CCTV
- CATV
- Satellite TV
- Terrestrial TV

Product Specifications		
Conductor	Nominal O.D. (mm)	1.25 ± 0.01
	Material	Solid Bare Copper
Dielectric	Nominal O.D. (mm)	5.7 ± 0.02
	Material	Foam Polyethylene (PE)
	Shape	Concentrically and bonded to the centre conductor
Shielding	Foil Tape Material	Copper
	Braid Material	Copper Wire
	Braiding Coverage	50%
Shielding	Material	Low Smoke Zero Halogen
	Colour	Black
	Wall Thickness (mm)	0.78 ± 0.05
	Nominal O.D. (mm)	7.8 ± 0.1
Minimum Bend Radii (mm)	10 x D	78 ± 1

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Electrical Characteristics		
Impedance Ω (Ohm's)	75 \pm 3	
Nominal Capacitance (pF/m)	\leq 50	
Return Loss (dB)	55 - 1000 MHz	\geq 20
	1000 - 2150MHz	\geq 18
Velocity of Propagation	\geq 82%	
Sparker Test	\geq 3 KV	
Attenuation	Frequency (MHz)	dB/100m
	5	\leq 1.1
	50	\leq 3.4
	100	\leq 4.8
	300	\leq 8.4
	460	\leq 11.1
	860	\leq 15.1
	1000	\leq 16.4
	1350	\leq 19.5
	1750	\leq 22.5
2150	\leq 25.6	

Environmental Characteristics		
Temperature ($^{\circ}$ C)	Storage	-20 to +60
	Installation	0 to 40
	Operation	-20 to +60

Standard Drum Lengths (supplied on wooden drums)
100 Metres

For other drum lengths please contact Sales or your Connectix Account Manager for details and availability.

Ordering Information			
Product Description	Sheath Colour	Sheath Material	Part Number
Connectix CT125 7 Ohm Coaxial Cable	Black	LSZH	001-007-011-01

For alternative cable configurations, please contact Sales or your Connectix Account Manager for details and availability.

Coaxial connectors (BNC, F-type etc.) suitable for this cable type may also be available, please contact Sales or your Connectix Account Manager for details.