

25-Pair Category 5e CM Indoor/Outdoor Cable



Superior Essex Communications announces the availability of a new 25-pair, Category 5e, CM Rated, Indoor/Outdoor cable. The cable is ideally suited for both the OSP environment – in cabinets, pedestals and terminals when deploying digital subscriber line (xDSL) and IPTV broadband technologies – and for the premises environment where fire protection is required.

The tight twist lays offer superior crosstalk performance and full compliance to ANSI/TIA-568-C.2, Category 5e requirements. The jacket material, a combination OSP/premises grade low smoke zero halogen black thermoplastic, is UV and fungus resistant and has great low temperature (-20 °C) bend performance.

This product has been added to our online web catalog. Contact your Superior Essex sales representative for more information.

25-Pair Category 5e Indoor/Outdoor Cable is available by ordering:

Part Number	Length	Package
51-499-EL	1,000 ft	Plywood reel

25-Pair Category 5e Indoor/Outdoor

Product Description

With its CM fire rating and UV resistant, Low Smoke Zero Halogen (LSZH) black jacket, this 25-pair, 24 gauge, Category 5e tight twisted copper conductor cable can be installed in both premises and outside plant (OSP) environments. The CAT 5e tight twist lays provide superior crosstalk performance, supporting digital subscriber line (xDSL) and IPTV broadband technologies in both the OSP pedestal and customer premises. In addition, the cable jacket is fungus resistant which is important in OSP pedestal environments. The cable meets or exceeds ANSI/TIA-568-C.2 for CAT 5e backbone cables and is able to support up to 1000BASE-T Ethernet technologies.

Applications

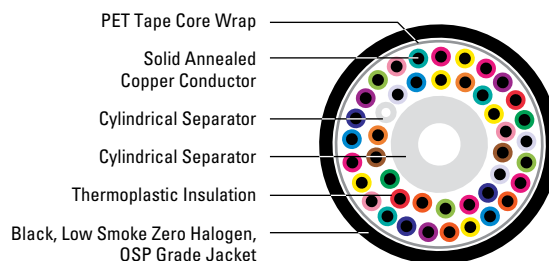
- ADSL, VDSL, VDSL+ and VDSL+2
- 10BASE-T through 1000BASE-T Ethernet, ATM and token ring

Features

- Small outside diameter
- Vibrant insulation colors
- Black, LSZH OSP grade jacket material
- Fungus resistance
- Compliant to ANSI/TIA-568-C.2 for CAT 5e
- Specially designed tight twist lays
- Low temperature bend performance

Benefits

- Handles tight installations
- Easy identification of conductors
- Provides full sunlight resistance and fire protection in a flexible jacket
- Non-nutritive to fungus and ideal for installation in humid environments
- Capable of 1000BASE-T
- Provides superior Alien Crosstalk performance for xDSL applications
- Allows installation at -20°C temperatures



Specifications	
Pair Count	25
Conductor	Solid annealed copper
AWG (mm)	24 (0.51)
Insulation	Thermoplastic
Separator	Cylindrical
Core Wrap	PET Tape
Jacket	Black, Low Smoke Zero Halogen (LSZH) OSP grade
Input Impedance (Ohms) Guaranteed @ 1-100 MHz	100 ± 15
Delay Skew (ns/100 m)	Maximum: 45 Typical: 30
Nominal Velocity of Propagation (%)	69
DC Resistance (Ohms/100 m)	Maximum: 9.38 Typical: 9.0
Resistance Unbalance (%)	Maximum: 5.0 Typical: 0.7
Performance Compliance	UL 444 ANSI/TIA-568-C.2 RoHS-compliant

Part Numbers and Physical Characteristics

Part Number	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Package
51-499-EL	0.59 (15)	148 (221)	1,000' Plywood Reel