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BLACK BOX NETWORK SERVICES

CATEGORY 5 25-PAIR TELCO CABLES

Extend high-density data or voice circuits quickly and simply with these Category

Key Features

- ▶ **Support high-bandwidth (to 100 MHz), high-speed communications applications.**
- ▶ **Use them in your wiring closet to extend data and voice circuits.**
- ▶ **Choose male 50-pin telco to blunt-cut open end, male 50-pin telco, or female 50-pin telco terminations.**
- ▶ **Meet ANSI/TIA/EIA 568-A Category 5 requirements.**

These Category 5 25-Pair Telco Cables support high-speed communication network applications with bandwidths up to 100 MHz, including ANSI ASC X3T12 TP-PMD, ATM, and ISDN.

The cables conform to ANSI/TIA/EIA 568-A Category 5 requirements including Power Sum Near-End Crosstalk (PS-NEXT). Underwriters Laboratories (UL) lists the cables as Communications Cable Type CMR 75C, for installation as general building wiring in accordance with the National Electrical Code (NFPA 70), and has verified them to Category 5. The cables are also CSA certified as Communications Cable Type PCC 60C FT4 in accordance with the National Building Code of Canada.

The core of each of these cables consists of 25 twisted pairs cabled together. Each of these pairs is the jointure of two 24 AWG copper conductors, twisted together with varying lays to reduce crosstalk.

The jacket material is flame-retardant PVC, and a ripcord is located under the jacket.

All cables are terminated with a male 50-pin telco connector at

one end and your choice of another male 50-pin telco connector, a female 50-pin telco connector, or no termination at all (a blunt-cut open end) on the other end.

Use these cables with our Category 5 25-Pair Patch Panels for quick and easy extension of your high-density data or voice circuits.

Specifications

Attenuation — Nominal:
20.2 dB/100 m @ 100 MHz;
Maximum: 22.0 dB/100 m
@ 100 MHz

Cable Type — 25-Pair UTP

Conductors — 24 AWG, bare
copper, 0.020" nominal diameter

DC Resistance — 9.38 ohms/100 m
maximum

Impedance — 100 + 15 ohms

Insulation — HDPE

Jacket — Gray PVC: 0.032" nominal
wall thickness, 0.5" nominal
diameter; Ripcord located under
jacket

Mutual Capacitance — 5.6 nF/ 100
m nominal

PS-NEXT — Worst case: 32 dB @
100 MHz

Standards — TIA/EIA 568-A

Velocity of Propagation — 75%
nominal

Ordering Information

ITEM	CODE
Category 5 25-Pair Telco Cables, PVC, Straight Wired	
Male 50-Pin Telco to Open End (Blunt Cut)	
1.5-m	ELN27T-0005-M
7.6-m	ELN27T-0025-M
15.2-m	ELN27T-0050-M
30.4-m	ELN27T-0100-M
Custom Lengths	ELN27T-M
Male 50-Pin Telco to Male 50-Pin Telco	
1.5-m	ELN27T-0005-MM
7.6-m	ELN27T-0025-MM
15.2-m	ELN27T-0050-MM
30.4-m	ELN27T-0100-MM
Custom Lengths	ELN27T-MM
Male 50-Pin Telco to Female 50-Pin Telco	
1.5-m	ELN27T-0005-MF
7.6-m	ELN27T-0025-MF
15.2-m	ELN27T-0050-MF
30.4-m	ELN27T-0100-MF
Custom Lengths	ELN27T-MF