CAT5 and CAT3 25-Pair Telco Connector Cables • CAT3 Octopus Cables (UTP)

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

FEATURES

- **CAT5 cables support high-bandwidth (to 100 MHz), high-speed communications over data and voice circuits (CAT5).**
- **CAT3 cables can be used to expand PBXs in voice circuits.**
- **Choose from male or female 50-pin telco to blunt-cut open end, male 50-pin telco, or female 50-pin telco terminations.**

OVERVIEW

The CAT5 25-Pair Telco Connector Cables support high-speed communication network applications with bandwidths up to 100 MHz, including ANSI ASC X3T12 TP-PMD, ATM, and ISDN.

The CAT5 cables conform to ANSI/TIA/EIA 568-A CAT5 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 CAT5. The cables are also CSA certified as Communications Cable Type PCC 60C FT4 in accordance with the National Building Code of Canada.

The CAT3 cables can be used to expand PBXs in office phone systems.

Each CAT5 or CAT3 cable's core consists of 25 twisted pairs cabled together. Each pair has two 24 AWG copper conductors, twisted together with varying lays to reduce crosstalk.

The PVC cables' jacket material is flame-retardant PVC, and a ripcord is located under the jacket. You can also choose from cables with plenum jacketing.

All cables are terminated with a male or female 50-pin telco connector at one end and your choice of a 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. They are available with AMP or AVAYA style connectors.

TECH SPECS FOR CAT5 25-PAIR TELCO CONNECTOR CABLES

Attenuation — Nominal: 20.2 dB/100 m @ 100 MHz; Maximum: 22 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
Connectors — AMP or AVAYA style

AMP Style		AVAYA Style	
1	2	1	26
3	4	2	27
6	5	3	28
8	7	4	29
10	9	5	30
11	12	6	31
14	15	7	32
16	17	8	33
18	19	9	34
20	21	10	35
22	23	11	36
24	25	12	37
26	27	13	38
28	29	14	39
30	31	15	40
32	33	16	41
34	35	17	42
36	37	18	43
39	40	19	44
41	42	20	45
43	44	21	46
45	46	22	47
47	48	23	48
49	50	24	49
13	38	25	50

NOTE: Pairs 13 and 38 are skipped.

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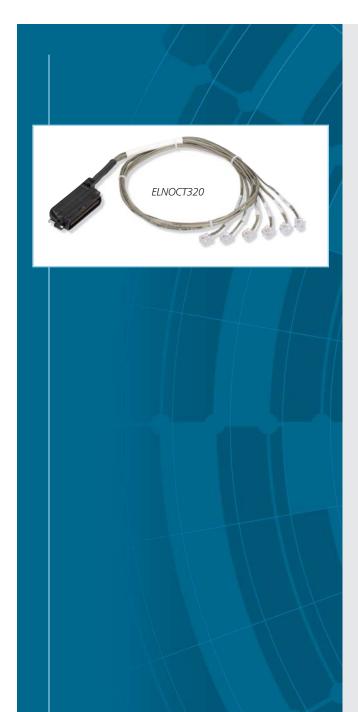
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ELN25T

Item	Code
CAT5 Telco Connector Cables, 24 AWG, Straight-Wired, PVC, AMP Style	
25-Pair, 50-Pin Telco Male to Open End (Blunt Cut)	
5-ft. (1.5-m)	**ELN27T-0005-M**
25-ft. (7.6-m)	**ELN27T-0025-M**
50-ft. (15.2-m)	**ELN27T-0050-M**
100-ft. (30.4-m)	**ELN27T-0100-M**
Custom Lengths	**ELN27T-M**
25-Pair, 50-Pin Telco Male to 50-Pin Telco Male	
5-ft. (1.5-m)	**ELN27T-0005-MM**
25-ft. (7.6-m)	**ELN27T-0025-MM**
50-ft. (15.2-m)	**ELN27T-0050-MM**
100-ft. (30.4-m)	**ELN27T-0100-MM**
Custom Lengths	**ELN27T-MM**
25-Pair, 50-Pin Telco Male to 50-Pin Telco Female	
5-ft. (1.5-m)	**ELN27T-0005-MF**
25-ft. (7.6-m)	**ELN27T-0025-MF**
50-ft. (15.2-m)	**ELN27T-0050-MF**
100-ft. (30.4-m)	**ELN27T-0100-MF**
Custom Lengths	**ELN27T-MF**
CAT5 Telco Connector Cables, 24 AWG, Straight-Wired, PVC, AVAYA Style	
25-Pair, 50-Pin Telco Male to Open End (Blunt Cut)	
5-ft. (1.5-m)	**ELN28T-0005-M**
25-ft. (7.6-m)	**ELN28T-0025-M**
50-ft. (15.2-m)	**ELN28T-0050-M**
100-ft. (30.4-m)	**ELN28T-0100-M**
Custom Lengths	**ELN28T-M**
25-Pair, 50-Pin Telco Male to 50-Pin Telco Male	
5-ft. (1.5-m)	**ELN28T-0005-MM**
25-ft. (7.6-m)	**ELN28T-0025-MM**
50-ft. (15.2-m)	**ELN28T-0050-MM**
100-ft. (30.4-m)	**ELN28T-0100-MM**
Custom Lengths	**ELN28T-MM**
25-Pair, 50-Pin Telco Male to 50-Pin Telco Female	
5-ft. (1.5-m)	**ELN28T-0005-MF**
25-ft. (7.6-m)	**ELN28T-0025-MF**
50-ft. (15.2-m)	**ELN28T-0050-MF**
100-ft. (30.4-m)	**ELN28T-0100-MF**
Custom Lengths	**ELN28T-MF**
CAT3 Telco Connector Cables, 24 AWG, Straight-Wired, AVAYA Style	
25-Pair, 50-Pin Telco Male to Open End (Blunt Cut)	
PVC	
25-ft. (7.6-m)	**ELN25T-0025-M**
50-ft. (15.2-m)	**ELN25T-0050-M**
100-ft. (30.4-m)	**ELN25T-0100-M**
200-ft. (60.9-m)	**ELN25T-0200-M**
Custom Lengths	**ELN25T-M**
Plenum	
Custom Lengths	**ELN25TP-M**

Item	Code
CAT3 Telco Connector Cables, 24 AWG, Straight-Wired, AVAYA Style (Continued)	
25-Pair, 50-Pin Telco Female to Open End (Blunt Cut)	
PVC	
25-ft. (7.6-m)	**ELN25T-0025-F**
50-ft. (15.2-m)	**ELN25T-0050-F**
100-ft. (30.4-m)	**ELN25T-0100-F**
200-ft. (60.9-m)	**ELN25T-0200-F**
Custom Lengths	**ELN25T-F**
Plenum	
Custom Lengths	**ELN25TP-F**
25-Pair, 50-Pin Telco Male to 50-Pin Telco Female	
PVC	
5-ft. (1.5-m)	**ELN25T-0005-MF**
25-ft. (7.6-m)	**ELN25T-0025-MF**
50-ft. (15.2-m)	**ELN25T-0050-MF**
100-ft. (30.4-m)	**ELN25T-0100-MF**
200-ft. (60.9-m)	**ELN25T-0200-MF**
Custom Lengths	**ELN25T-MF**
Plenum	
Custom Lengths	**ELN25TP-MF**
25-Pair, 50-Pin Telco Male to 50-Pin Telco Male	
PVC	
5-ft. (1.5-m)	**ELN25T-0005-MM**
25-ft. (7.6-m)	**ELN25T-0025-MM**
50-ft. (15.2-m)	**ELN25T-0050-MM**
100-ft. (30.4-m)	**ELN25T-0100-MM**
200-ft. (60.9-m)	**ELN25T-0200-MM**
Custom Lengths	**ELN25T-MM**
Plenum	
Custom Lengths	**ELN25TP-MM**
25-Pair, 50-Pin Telco Female to 50-Pin Telco Female	
PVC	
5-ft. (1.5-m)	**ELN25T-0005-FF**
25-ft. (7.6-m)	**ELN25T-0025-FF**
50-ft. (15.2-m)	**ELN25T-0050-FF**
100-ft. (30.4-m)	**ELN25T-0100-FF**
200-ft. (60.9-m)	**ELN25T-0200-FF**
Custom Lengths	**ELN25T-FF**
Plenum	
Custom Lengths	**ELN25TP-FF**
25-Pair, 50-Pin Telco Male to (2) Open Ends (Blunt Cuts)	
PVC	
25-ft. (7.6-m)	**EMN50T-0025-M**
50-ft. (15.2-m)	**EMN50T-0050-M**
100-ft. (30.4-m)	**EMN50T-0100-M**
200-ft. (60.9-m)	**EMN50T-0200-M**
25-Pair, 50-Pin Telco Female to (2) Open Ends (Blunt Cuts)	
PVC	
100-ft. (30.4-m)	**EMN50T-0100-F**
200-ft. (60.9-m)	**EMN50T-0200-F**

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ELNOCT320

Item	Code
CAT3 Telco Connector Cables, 24 AWG, Straight-Wired, AVAYA Style (Continued)	
50-Pair, (2) 50-Pin Telco Male to (2) 50-Pin Telco Female PVC	
25-ft. (7.6-m)	**EMN50T-0025-MF**
50-ft. (15.2-m)	**EMN50T-0050-MF**
100-ft. (30.4-m)	**EMN50T-0100-MF**
Custom Lengths	**EMN50T-MF**
50-Pair, (2) 50-Pin Telco Male to (2) 50-Pin Telco Male PVC	
25-ft. (7.6-m)	**EMN50T-0025-MM**
50-ft. (15.2-m)	**EMN50T-0050-MM**
200-ft. (60.9-m)	**EMN50T-0200-MM**
Custom Lengths	**EMN50T-MM**
CAT5 25-Pair Telco Octopus Cables (UTP), PVC, (1) 180° Rear-Exit	
50-Pin Telco Male to (12) RJ-45, Pins 1–3, 6 Active	
3-ft. (0.9-m)	**ELNOCT510-003**
6-ft. (1.8-m)	**ELNOCT510-006**
10-ft. (3.0-m)	**ELNOCT510-010**
CAT3 25-Pair Telco Octopus Cables (UTP), PVC, 3-ft. (0.9-m)	
(1) 50-Pin Telco Male to (6) RJ-11	
Pins 3–4 Active	**ELNOCT310**
Pins 2–5 Active	**ELNOCT320**
Pins 1–6 Active	**ELNOCT330**
(1) 50-Pin Telco Male to (6) RJ-45	
Pins 1–8 Active	**ELNOCT340**
(1) 50-Pin Telco Female to (6) RJ-11	
Pins 3–4 Active	**ELNOCT350**
Pins 2–5 Active	**ELNOCT360**
Pins 1–6 Active	**ELNOCT370**
(1) 50-Pin Telco Female to (6) RJ-45	
Pins 1–8 Active	**ELNOCT380**

*NOTE: For Octopus Cable pinning, see **blackbox.com**.*

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