

**Features and Benefits**

Molex Premise Networks PowerCat Patch Cords utilise Category 5E stranded 4 Pair UTP cable, which has been designed to support high speed data transmission systems. These patch cords are part of the PowerCat System range of products, that have been designed based on the PowerSum principle of crosstalk measurement and testing.

- Unshielded 4 Pair Stranded Cable
- Category 5E
- Pre-terminated with WE8W Plugs and slim-line Strain Relief Boots

Compliant With

TIA/EIA-568-B.2-1, FCC Part 68 (Plug dimensions and tolerances), ISO 60603-7, ISO 11801:2002, EN 50173:2002

Approvals

UL

Technical Information**Cable:****Mechanical**

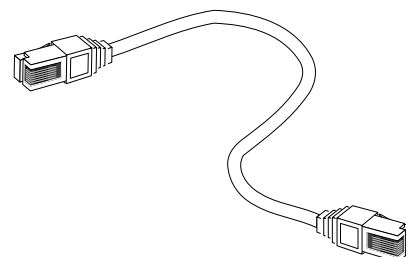
Conductor Size : 24 AWG Stranded Copper
 Temp Range: -10 to 60°C
 Dielectric Material: Polyethylene
 Diameter of
 Dielectric Core: $0.96 \pm 0.05\text{mm}$
 Sheath : PVC
 O.D: $5.4 \pm 0.2\text{mm}$

UTP RJ45 Plug

Operating Life : Minimum 750 insertion cycles
 Contact Material : Phosphor bronze
 Contact Plating : 50 micro-inch gold
 Material : Polycarbonate UL94 V-0

Electrical

Max. Voltage: 125 vac
 Max. Current: 1.5A



Frequency	NEXT (Typical)	Return Loss (Typical)
	2m Cord (dB)	2m Cord (dB)
1	80.1	52.1
4	68.4	36.0
8	63.1	34.9
10	61.8	34.2
16	61.0	34.4
20	62.5	35.3
25	66.2	35.2
31.25	59.2	32.0
62.5	47.3	28.6
100	42.0	21.9

ORDERING INFORMATION

Order No.	Description
PCD-00199-0*	Line Cord UTP 568A/B - 0.5m C5e
PCD-00180-0*	Line Cord UTP 568A/B - 1m C5e
PCD-00241-0*	Line Cord UTP 568A/B - 1.5m C5e
PCD-00181-0*	Line Cord UTP 568A/B - 2m C5e
PCD-00242-0*	Line Cord UTP 568A/B - 2.5m C5e
PCD-00182-0*	Line Cord UTP 568A/B - 3m C5e
PCD-00243-0*	Line Cord UTP 568A/B - 3.5m C5e
PCD-00244-0*	Line Cord UTP 568A/B - 04m C5e
PCD-00183-0*	Line Cord UTP 568A/B - 5m C5e
PCD-00245-0*	Line Cord UTP 568A/B - 6m C5e
PCD-00190-0*	Line Cord UTP 568A/B - 7m C5e
PCD-00246-0*	Line Cord UTP 568A/B - 8m C5e
PCD-00247-0*	Line Cord UTP 568A/B - 9m C5e
PCD-00184-0*	Line Cord UTP 568A/B - 10m C5e
PCD-00248-0*	Line Cord UTP 568A/B - 15m C5e
PCD-00249-0*	Line Cord UTP 568A/B - 20m C5e

* Colour Options

C=Red, E=Grey, H=Blue, J=Green, K=Yellow, N=Orange, P=Purple, B=Black

MOLEX PREMISE NETWORKS

Molex Premise Networks
 Corporate Headquarters
 Tel: 603 324 0200
 www.molexpn.com

European
 Headquarters
 Tel: 44 (0) 1489 572111
 www.molexpn.co.uk

Pac-Rim
 Headquarters
 Tel: 61 3 9747 8322
 www.molexpn.com.au

Molex
 Incorporated
 Tel: 630 969 4550
 www.molex.com