FEATURES AND SPECIFICATIONS

molex®

PowerCat 6 FTP Patch Cords PVC

Features and Benefits
Molex Premise Networks PowerCat 6 FTP patch cords are manufactured using high quality shielded four pair Category 6 stranded cable. Available in a range of colours and lengths, PowerCat 6 FTP patch cords are pre-terminated with RJ45 shielded plugs and feature cable strain relief boots with a plug latch protection cap.

Suitable for high speed data transmission, PowerCat 6 FTP patch cords have been designed to exceed the highest electrical performance standards in the industry and have been independently tested and verified by ETL SEMKO for Category 6 component compliance.

- Shielded 4 pair stranded cable
- Pre-terminated with WE8W shielded plugs
- Strain relief boots
- Independently tested

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

Approvals
UL
CSA
ETL Verified for Category 6 Component Compliance

Technical Information
Mechanical Characteristics - Cable

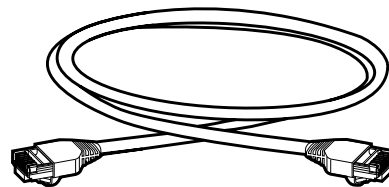|	
Conductor size:	26 AWG stranded bare copper
Screen Material:	Aluminium/polyester shield with tinned copper drain wire
Max O.D.:	6.0mm
Jacket:	PVC
Temperature range:	-20°C to +60°C

Mechanical Characteristics - Plug

Operating life:	Minimum 750 insertion cycles
Contact material:	Copper alloy
Contact plating:	1.25 micrometres Au/Ni

Plug dimensions & tolerances compliant with FCC Part 68 and IEC 60603-7

Electrical Characteristics - Plug

Max voltage:	150 VAC (max)
Max current:	1.5A @ 25°C
Operating temperature:	-40°C to 85°C

ORDERING INFORMATION

Order No.	Description
PCD-00304-0*	Patch Cord FTP 568A/B - 0.5m C6
PCD-00305-0*	Patch Cord FTP 568A/B 1m C6
PCD-00306-0*	Patch Cord FTP 568A/B 1.5m C6
PCD-00307-0*	Patch Cord FTP 568A/B 2m C6
PCD-00308-0*	Patch Cord FTP 568A/B 2.5m C6
PCD-00309-0*	Patch Cord FTP 568A/B 3m C6
PCD-00310-0*	Patch Cord FTP 568A/B 3.5m C6
PCD-00311-0*	Patch Cord FTP 568A/B 4m C6
PCD-00312-0*	Patch Cord FTP 568A/B 5m C6
PCD-00313-0*	Patch Cord FTP 568A/B 6m C6
PCD-00314-0*	Patch Cord FTP 568A/B 7m C6
PCD-00315-0*	Patch Cord FTP 568A/B 8m C6
PCD-00316-0*	Patch Cord FTP 568A/B 9m C6
PCD-00317-0*	Patch Cord FTP 568A/B 10m C6

* Colour Options: C=Red, E=Grey, H=Blue, J=Green, K=Yellow

ETL VERIFIED®

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3 metre Category 6 FTP Patch Cord Typical (in - dB)

| | NEXT | | | Return Loss | |
Frequency (MHz)	NEXT Limit	NEXT	Return Loss Limit	Return Loss
1	65	93.0	19.9	43.1
4	65	83.9	21.6	35.1
8	65	79.3	22.5	28.2
10	65	78.4	22.8	26.9
16	61.5	78.8	23.4	26.5
20	59.6	75.7	23.7	28.9
25	57.7	70.8	24.0	39.1
31.25	55.7	66.4	23.0	31.0
62.5	49.9	66.3	20.0	26.3
100	46	59.0	18.0	26.6
200	40.3	56.1	14.9	33.2
250	38.5	44.2	14.0	22.1