

FEATURES AND SPECIFICATIONS



PowerCat C5E FTP Patch Cords PVC

Features and Benefits

Molex Premise Networks PowerCat C5E FTP patch cords are manufactured using high quality shielded four pair Category C5E stranded cable. Available in a range of colours and lengths, PowerCat C5E 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 C5E FTP patch cords have been designed to exceed the highest electrical performance standards in the industry and are Category 5E component compliant.

- Shielded 4 pair stranded cable
- Pre-terminated with WE8W shielded plugs
- Strain relief boots
- C5E component compliant

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

Mechanical Characteristics - Cable

Conductor size: 26 AWG stranded bare copper
Screen Material: Aluminium/polyester shield with tinned copper drain wire
Max O.D.: 5.5mm
Jacket: PVC
Temperature range: -20°C to +60°C

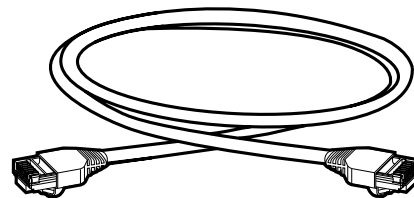
Mechanical Characteristics - Plug

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-00341-0*	Patch Cord FTP 568A/B - 1m C5E
PCD-00342-0*	Patch Cord FTP 568A/B - 2m C5E
PCD-00343-0*	Patch Cord FTP 568A/B - 3m C5E
PCD-00344-0*	Patch Cord FTP 568A/B - 5m C5E
PCD-00345-0*	Patch Cord FTP 568A/B - 7m C5E
PCD-00346-0*	Patch Cord FTP 568A/B - 10m C5E

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

MOLEX PREMISE NETWORKS

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2 metre Category 5E FTP Patch Cord Typical (dB)

NEXT

Frequency (MHz)	NEXT Limit (dB)	NEXT
1	65	82
4	62.3	72.6
8	56.3	66.3
10	54.4	65
16	50.4	62.3
20	48.6	61.5
25	46.7	61.3
31.3	44.8	61
62.6	38.9	63.1
100	35	50.8

Return Loss

Return Loss Limit (dB)	Return Loss
19.8	42.1
21.6	32.4
22.5	31.1
22.8	30.7
23.4	29.9
23.7	28.9
23.9	27
23.1	24.6
20	28.3
18	23.4

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