molex

PowerCat 6A Shielded Patch Cord

Features and Benefits

Molex PowerCat 6A Shielded Patch Cords are key components of the PowerCat 6A shielded end-to-end solution. Molex PowerCat 6A Patch Cords are designed to support high speed 10GBASE-T networks and are backward compatible with 10/100/1000BASE-T networks. The patch cable is made from high quality four pair 26 AWG stranded copper wire. Available in a range of colours and lengths, PowerCat 6A patch cords are preterminated with RJ45 plugs and feature anti-snag slim strain relief slip on boots.

- 4 pair 26 AWG stranded copper wire
- Pre-terminated with RJ45 plugs
- Slim clear anti-snag slip on boots
- Suitable for EIA 568A or 568B wiring
- LS0H sheath
- 10G Performance when installed as a complete PowerCat 6A Shielded System
- RoHS Compliant

Commercial Standards

ISO/IEC 11801 2nd Ed Amd 1 Class EA
TIA-568-C.2 Cat 6A
UL 1863; CSA C22.2

Fire Propagation Tests

IEC 60332-1, IEC 61034-2
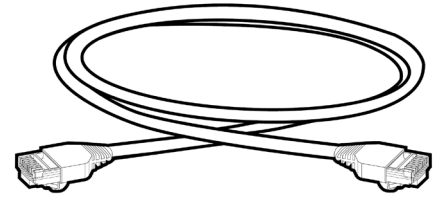
Technical Information

Mechanical Characteristics
Cable

Conductor size:	26 AWG stranded copper wire
Screen material:	Aluminum/polyester shield with tinned copper drain wire
Nom. O.D.:	6.5mm
Sheath:	Low Smoke Zero Halogen (LS0H)
Bend radius:	8X O.D.
Operating temperature range:	-20°C to 60°C

Plug

MIN operating life: 750 insertion cycles

RJ45 plug material:	Clear polycarbonate (PC)
Boot material:	Clear polyvinylchloride (PVC)
Contact material:	0.35mm thick copper
Contact plating:	1.27um gold

RJ45 plug dimensions compliant with:
ISO/IEC 60603-7 and FCC 47 Part 68

Electrical/Optical Characteristics

Max voltage:	150 VAC (max)
Max current:	1.5A @ 25°C

ORDERING INFORMATION

Order No.	SAP No.	Description
PCD-07000-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 1.0m
PCD-07001-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 2.0m
PCD-07002-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 3.0m
PCD-07004-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 5.0m
PCD-07006-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 7.0m
PCD-07009-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 10.0m

Insert color code in place of ** in part number when ordering Patch Cords:
0C=Red, 0E=Grey, 0H=Blue, 0J=Green, 0K=Yellow, 0W=White, 0P=Purple, 0N=Orange, BK=Black

MOLEX PREMISE NETWORKS

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This information is correct at the time of publication, specifications are subject to change