

PowerCat 6A Shielded Solid Cable Assembly LS0H Dca >

Molex PowerCat 6A Shielded Solid Cable Assemblies are ideal for consolidation point cabling or as equipment cords within a PowerCat 6A shielded end-to-end solution. The PowerCat 6A shielded solution is specifically designed to support secure-high speed 10GBASE-T networks and is backward compatible with 10/100/1000BASE-T networks. Cable assemblies are made from high quality shielded four pair 23AWG solid copper wire and are preterminated with RJ-45 plugs and feature anti-snag slip on boots.



FEATURES AND ADVANTAGES

4 pair 23 AWG solid copper wire

Pre-terminated with RJ-45 shielded plugs

Anti-snag slip on boots

TIA/EIA-568B wiring

LS0H sheath EuroClass Dca-s2,d1,a1

10G Performance when installed as a complete PowerCat 6A Shielded System

SPECIFICATIONS

Commercial Standards

ISO/IEC 11801
ANSI/TIA-568.2-D

Reaction to Fire Tests

IEC 60332-1
IEC 61034-2
IEC 60754-2
EuroClass: Dca-s2,d1,a1

Mechanical

Cable
Conductor size: 23 AWG solid copper wire

Screen material: Aluminum/polyester shield with tinned copper drain wire

Nom. O.D.: 7.0 mm
Sheath: Low Smoke Zero Halogen (LS0H)

Bend radius: 8X O.D.
Operating temperature range: 0°C to 60°C

Plug
MIN operating life: 750 insertion cycles
RJ45 plug material: Clear Polycarbonate (PC)
Boot material: Black Polyvinylchloride (PVC)

Contact material: 0.35mm thick copper alloy

Contact plating: 1.2700µm (50µin) Au/1.2700 (50µin) Ni minimum

RJ45 plug dimensions compliant with: ISO/IEC 60603-7-51 and FCC 47 Part 68

Electrical

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

www.molex.com/copper/cat6a/

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SPECIFICATIONS (CONT)

PoE

Our PowerCat 6A system is suitable for the most demanding PoE applications:

IEEE 802.3bt from Type 1 to Type 4, and CISCO UPoE+

HD Base-T PoH up to 100W

RP3 compliant as defined by EN 50174-2:2018, ISO/IEC 14763-2:2019 and AS/NZS 14763.2:2020

Notes:

For new installations of PoE Type 3 / Class 5 and above that wish to be eligible for the Molex 25 year Application Assurance Warranty, we require Category 6A cable to be used throughout.

To confirm your PoE / RP3 cabling design is eligible for the Molex 25 year Application Assurance Warranty, your design must be verified and validated with the Molex PoE Calculator. Read more <https://www.molexces.com/poe-calculator>

Molex recommends that the PoE feature on an individual switch port are power disabled prior to unplugging the associated powered Device.

Molex recommends that the full range of PowerCat 6A products be used in a system to maximize cabling and PoE performance. Details on Molex requirements for Warranty can be found at <https://www.molexces.com/about-us/our-warranty/>

ORDERING INFORMATION

Order No.	SAP No.	Description
PCD-07054-VL	183160844	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 4m
PCD-07055-VL	183160845	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 6m
PCD-07056-VL	183160846	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 8m
PCD-07057-VL	183160847	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 10m
PCD-08000-0P	183270077	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 15m
PCD-07058-VL	183160848	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 20m
PCD-08001-0P	183270078	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 25m
PCD-07059-VL	183160849	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 30m
PCD-08002-0P	183270079	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 35m
PCD-07060-VL	183160850	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 40m
PCD-08003-0P	183270080	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 50m
PCD-08004-0P	183270081	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 60m
PCD-08005-0P	183270135	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, Dca 80m

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