molex® **PowerCat™ 6A Shielded Patch Cord**

Features and Benefits

The Molex PowerCat 6A Shielded Patch Cords are key components of the PowerCat 6A Shielded end-to-end solution.

Molex PowerCat 6A Shielded Patch Cords were specifically designed to support high speed data networks for 10-Gigabit Ethernet (10GBASE-T) applications. The patch cable is made from high quality shielded four pair 26AWG stranded wire. Available in a range of colors and lengths, PowerCat 6A Shielded patch cords are pre-terminated with RJ45 shielded plugs and feature over-molded anti-snag strain relief boots.

Molex recommends the full range of PowerCat 6A Shielded products be used in a end-to-end system to maximize cabling performance. This system is compliant with latest ISO/IEC 11801 2nd Ed A1.1 draft and ratified TIA/EIA 568-B.2-10 for the support of 10G BASE-T.

- Shielded 4 pair 26AWG stranded cable
- Pre-terminated with WE8W shielded plugs
- Over-moulded anti-snag strain relief boots
- Suitable for EIA 568A/B wiring applications
- C6A Performance when installed as a complete PowerCat 6A Shielded System
- PVC jacket
- RoHS Compliant

Commercial Standards

TIA/EIA-568-B.2-10
ISO/IEC 11801 2nd Ed A1.1
FCC Subpart F 68.5
IEC-603-7

Pending Approvals:
ETL independant testing
UL-1863
CSA C2.2

Technical Information

Cable

Conductor Size:	26AWG stranded bare copper
Screen material:	Aluminium/polyester shield with tinned copper drain wire
Max OD:	6.5mm
Jacket:	PVC
Temperature Range:	-20°C to +60°C

Mechanical Characteristics
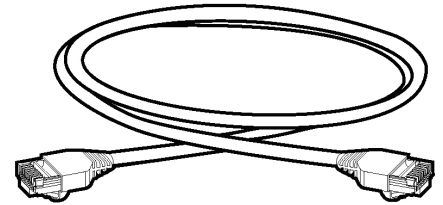### Plug

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 IEC 60603-7

Electrical Characteristics

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

ORDERING INFORMATION

Order No.	Description
PCD-00700-**	PowerCat 6A Shielded Patch Cord 568A/B 1M
PCD-00701-**	PowerCat 6A Shielded Patch Cord 568A/B 2M
PCD-00702-**	PowerCat 6A Shielded Patch Cord 568A/B 3M
PCD-00703-**	PowerCat 6A Shielded Patch Cord 568A/B 5M
PCD-00704-**	PowerCat 6A Shielded Patch Cord 568A/B 7M
PCD-00705-**	PowerCat 6A Shielded Patch Cord 568A/B 10M

Insert colour code in place of ** in part number when ordering PowerCat 6A Accessories:
OH- Blue, OE-Grey, OK-Yellow, BK-Black, OC-Red, OJ-Green