

## Features and Benefits

Molex PowerCat 6A Shielded Pre-Term cable assemblies are ideal for use in data centers and high speed network environments. The PowerCat 6A pre-terminated shielded assemblies are designed to support secure-high speed 10GBASE-T and is backward compatible with 10/100/1000BASE-T networks. These cable assemblies are made from high quality Cat 6A U/FTP 4-pair shielded 23AWG solid copper wire and are pre-terminated to robust die cast zinc DataGate C6A shielded shuttered jack which provide superior alien crosstalk (AXT) suppression, and provides enhanced electromagnetic interference (EMI) protection. These pre-term cable assemblies are available as jack-to-jack, plug-to-jack, or plug-to-plug. The six individual cables are bundled together with spiral wrapping placed every meter.

- Factory terminated and tested
- Up to 80% faster to install than traditional field installation
- Cat 6A U/FTP 4-pair individually shielded 23 AWG solid copper cable pre-terminated with DataGate RJ45 shielded shuttered jacks at each end
- Fully compliant with ISO/IEC 11801 Amd.1 and Amd.2 Ed. 2.0 Class EA
- LS0H sheath
- 10G performance when installed as a complete PowerCat 6A shielded system
- Field AXT testing not required because cables are compliant by design
- RoHS compliant
- Pre-terminated PowerCat 6A DataGate shielded jacks snap into DataGate unloaded patch panels
- Cable bundles with pulling eye available upon request

## Commercial Standards

ISO/IEC 11801 2nd Ed Amd 1 & Amd 2 Class EA  
TIA-568-C.2 Cat 6A

## Fire Propagation Tests

LS0H: IEC 60332-1 IEC 61034-2

## Technical Information

### Mechanical Characteristics

Cable  
 Conductor size: 23 AWG solid copper wire  
 Screen material: Aluminum/polyester shield with tinned copper drain wire  
 Nominal O.D. (1 cable): 7.0 mm  
 Nominal O.D. (6 cables): 22 mm  
 Sheath: Low Smoke Zero Halogen (LS0H)  
 Bend radius: 8X O.D. minimum  
 Operating temperature range: -20°C to 60°C

Connectors  
 Operating life: 750 insertion cycles

Housing: Zinc alloy plated bright Ni/Cu  
 Contact material: Copper Alloy  
 Contact plating: 1.2700µm Au/1.2700µm Ni minimum  
 Contact force: 100g minimum  
 Plug retention force: 6.8kg minimum  
 RJ45 receptacle and plug dimensions compliant with IEC 60603-7 and FCC 47 Part 68

### Electrical/Optical Characteristics

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



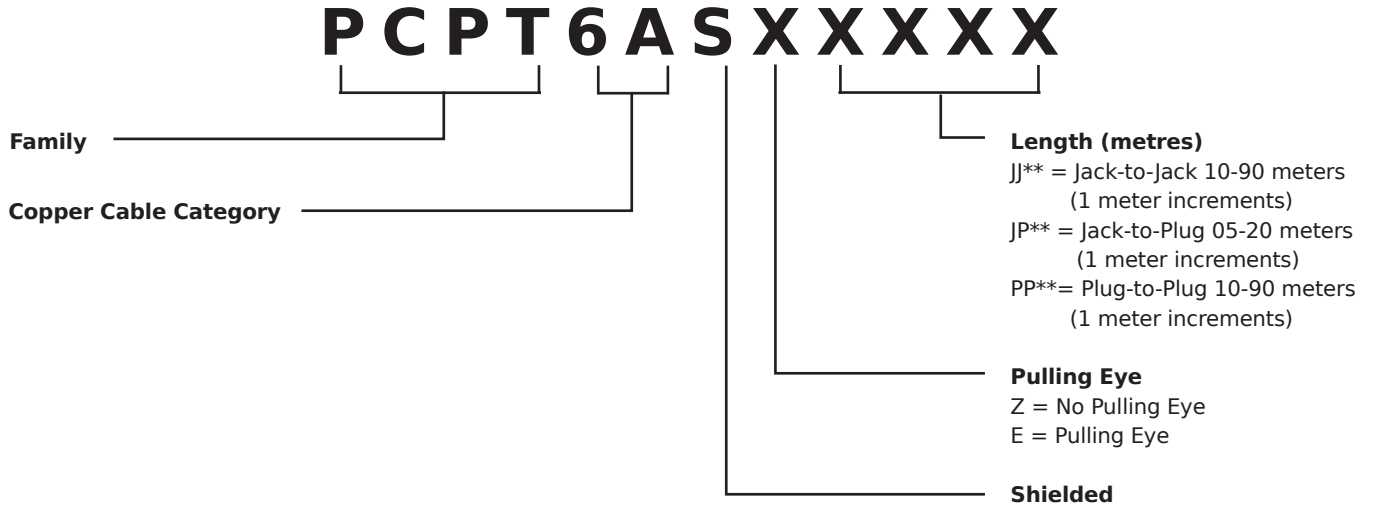
## MOLEX PREMISE NETWORKS

**Americas**  
 Tel: 630 969 4550  
 www.molexpn.com

**EMEA**  
 Tel: 44 (0)2392 205800  
 www.molexpn.co.uk

**APAC**  
 Tel: 61 3 9971 7111  
 www.molexpn.com.au

Part No. Matrix - Substitute the correct code number or letter to determine the assembly construction



Example: to order a Cat 6A shielded jack-to-jack bundle of 6 cables 32 meter LSOH pre-term assembly without pulling eye, the part number would be PCPT6ASZJJ32

**DataGate Unloaded Patch Panels (sold separately)**

Order No.	SAP No.	Description
PID-00258	180810031	PowerCat 24 Port DataGate Patch Panel, Unloaded UTP or Shielded - 1U
PID-00259	180810032	PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U
PID-00260	180810033	PowerCat 48 Port DataGate Patch Panel, Unloaded UTP or Shielded - 2U
PID-00261	180810034	PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U

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