

# PowerCat 6A Shielded Pre-Terminated Cable Assemblies >

Molex PowerCat 6A Shielded Pre-Terminated 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. Plates you can configure your fiber system to suit all fiber applications.



## FEATURES & ADVANTAGES

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

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## SPECIFICATIONS

### Commercial Standards

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

### Fire Propagation Tests

LSOH: IEC 60332-1 IEC 61034-2

### Mechanical

**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 (LSOH)  
**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

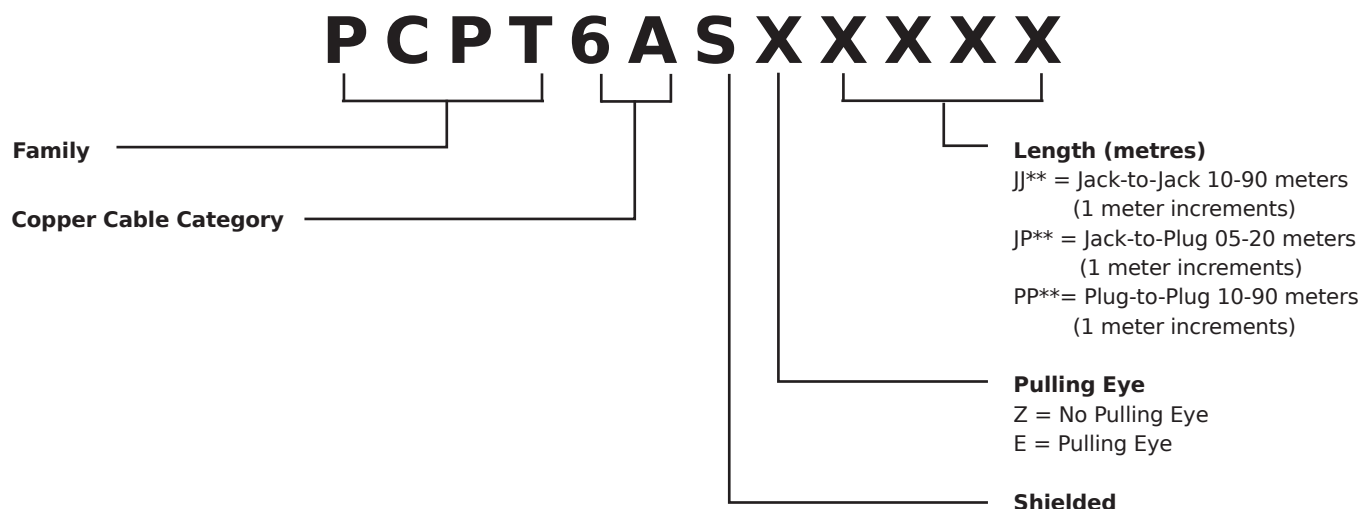
**Max voltage:** 150 VAC (max)  
**Max current:** 1.5A @ 25°C

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## ORDERING INFORMATION

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



**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)

### ORDERING INFORMATION

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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