

Features and Benefits

Molex Premise Networks PowerCat 5e 4 Pair U/UTP cable, has been designed to support high speed data transmission systems. This cable is part of the PowerCat System range of products, that have been designed based on the PowerSum principle of crosstalk measurement and testing.

We recommend that the full range of PowerCat products is used in a system to maximise cabling performance, providing extended frequency response and enhanced bandwidth.

- Enhanced performance 4 pair PVC Cable
- Category 5E Compliant
- Colour coded pairs for ease of termination
- 305m easy spool box

Commercial Standards

EN 50173 2nd Edition, ISO/IEC 11801 2nd Edition, EIA/TIA 568B.2.1

Technical Information

Mechanical Characteristics

Conductor Size: 24 AWG Soft Plain Copper
 Primary Insulation: Solid Polyethylene
 Nominal O.D.: 0.51mm
 Sheath: PVC
 Minimal Wall: ±0.03mm
 Nominal O.D.: 5mm
 NVP: 68%
 Maximum Pulling Force: 100N

Electrical/Optical Characteristics

D.C. Resistance: 9.8 Ω/km

Crosstalk (dB)

@ 1MHz: 65.3
 @ 16MHz: 47.3
 @ 100MHz: 35.3

Insertion Loss (dB/100m)

@ 1MHz: 2
 @ 16MHz: 8.2
 @ 100MHz: 22

PS NEXT

@ 1MHz: 62.3
 @ 16MHz: 44.4
 @ 100MHz: 32.3

ELFEXT

@ 1MHz: 63.8
 @ 16MHz: 39.7
 @ 100MHz: 23.8

ELFEXT

@ 1MHz: 63.8
 @ 16MHz: 39.7
 @ 100MHz: 23.8

PS ELFEXT

@ 1MHz: 60.8
 @ 16MHz: 36.7
 @ 100MHz; 20.8

Return Loss

@ 1MHz: 20
 @ 16MHz: 25
 @ 100MHz: 20.1

PSACR

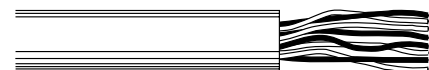
@ 1MHz: 60
 @ 16MHz: 36
 @ 100MHz: 10

Propagation Delay: 513ns

Skew: 35ns

Shipping Weight

305m box: 9.12kg



ORDERING INFORMATION

Order No.	SAP No.	Description
39.A0360	Consult Molex	PowerCat 5e Cable 305m box U/UTP PVC - Grey

MOLEX PREMISE NETWORKS

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 www.molexpn.co.uk

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