

Features and Benefits

Molex Premise Networks PowerCat (C5E) 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 LS0H Cable
- Category 5E Compliant
- Colour coded pairs for ease of termination
- 305m easy spool box

Commerical 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: LS0H 332.1
Minimal Wall: ±0.03mm
Nominal O.D.: 5.2mm
NVP: 67%

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

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

Skew: 45ns max

Shipping Weight: 305m box: 9.12kg



ORDERING INFORMATION

Order No.	SAP No.	Description
39-504-5E	Consult Molex	PowerCat C5E Cable 305m box U/UTP LS0H - Violet

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