

Features and Benefits

Molex PowerCat 5e 4 Pair UTP cable, has been designed to support high speed data transmission systems such as Gigabit Ethernet. This cable is part of the PowerCat 5e 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 5e products is used in a system to maximise cabling performance, providing extended frequency response and enhanced bandwidth.

- Supports telephony voice wiring, 10 Base-T and ultrahigh speed data networks such as Gigabit Ethernet (1000 Base-T)
- 4 pair PVC Cable
- Colour coded pairs for ease of termination
- Available in 305m pull boxes
- Available in blue and grey sheaths for application versatility
- UL listed
- CM Rated

Commercial Standards

TIA/EIA-568-C.2:2009 cat. 5e,
EN 50173-1:2011 Class D,
ISO/IEC 11801:2010 (Ed 2.2) Class D,
IEC 61156-5, EN 50288-3-1

Technical Information

Mechanical Characteristics

Conductor Size: 24 AWG Solid Soft Plain Copper
Primary Insulation: Solid Polyethylene
Nominal o.d.: 0.97mm
Twinning: Left hand lay < 20mm
Sheath: PVC Type 1 BS6746
Minimal Wall: 0.6mm
Nominal o.d.: 5.5mm
Maximum Pulling Force: 100N

Electrical/Optical Characteristics

D.C. Resistance: <90 ohm/km
Attenuation(db/km):
@ 1MHz: 1.9
@ 16MHz: 7.2
@ 100MHz: 19.6
@ 150MHz: 25.6
@ 250MHz: 33.9
@ 350MHz: 38.8

Crosstalk (dB)

@ 1MHz: 80
@ 16MHz: 58
@ 100MHz: 44
@ 150MHz: 38
@ 250MHz: 35
@ 350MHz: 36

Nominal Verlocity Propagation (NVP):
As listed on cable sheath

Shipping Weight: 10.25 Kg



ORDERING INFORMATION

Order No.	SAP No.	Description
CAA-00009	Consult Molex	PowerCat 5e 4 Pair Cable, CM Rated, 305m Pull Box - Blue
CAA-00102	Consult Molex	PowerCat 5e 4 Pair Cable, CM Rated, 305m Pull Box - Grey

MOLEX PREMISE NETWORKS

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