



**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 PVC Cable
- Category 5E Compliant
- Colour coded pairs for ease of termination
- 305m easy spool box

**Technical Information**

**Mechanical**

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%

Applicable Standards: EN 50173 2nd Edition, ISO/IEC

11801 2nd Edition, EIA/TIA 568B.2.1

**Electrical**

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

Propagation Delay: 513ns

Skew: 35ns

Shipping Weight : 305m box: 9.12kg



ORDERING INFORMATION

Order No.	Description
39.A0360	PowerCat C5E Cable 305m box U/UTP PVC Grey

**MOLEX PREMISE NETWORKS**

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