

**Features and Benefits**

Molex Premise Networks PowerCat (C5E) 4 Pair FTP 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 FTP Cable
- Category 5E Compliant
- Colour coded pairs for ease of termination
- 305m easy spool box and 1km reel
- Overall foil shield with drain wire

Technical Information**Mechanical**

Conductor Size : 24 AWG Solid Plain Copper

Primary Insulation : Polyethylene

Nominal O.D.: 1.05mm

Twinning : 2 cores twisted together with staggered lays

Sheath : PVC

Minimal Wall: 0.70mm

Nominal O.D.: 6.10mm

Screen: Aluminium polyester tape & drain wire

NVP: 66%

Electrical

D.C. Resistance: 30 ohm/100m

Crosstalk (dB)	@	1MHz	65
	@	16MHz	47
	@	100MHz	35

Insertion Loss:	@	1MHz	2.1
(dB/100m)	@	16MHz	8.2
	@	100MHz	22

PS NEXT:	@	1MHz	62.3
	@	16MHz	44.2
	@	100MHz	32.3

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

PS ELFEXT:	@	1MHz	60.8
	@	16MHz	36.7
	@	100MHz	20.8

ACR:	@	1MHz	62.9
	@	16MHz	38.8
	@	100MHz	13

Propagation Delay: 537.6ns
Skew: <40ns/100m

Shipping Weight :	305m box:	13.5kg
	1km Reel	44kg



Applicable Standards: EN 50173 2nd Edition, ISO/IEC 11801 2nd Edition, EIA/TIA 568B.2

Order No.	Description
CAA-00168	PowerCat C5E Cable 305m box FTP PVC
CAA-00169	PowerCat C5E Cable 1km reel FTP PVC

MOLEX PREMISE NETWORKS

Molex Premise Networks
Corporate Headquarters
Tel: 603 324 0200
www.molexpn.com

European
Headquarters
Tel: 44 (0) 1489 572111
www.molexpn.co.uk

Pac-Rim
Headquarters
Tel: 61 3 9747 8322
www.molexpn.com.au

Molex
Incorporated
Tel: 630 969 4550
www.molex.com

