



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 LSZH 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 : LSZH 332.1
 Minimal Wall : ±0.03mm
 Nominal O.D.: 5.2mm

NVP: 67%

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
Skew:		45ns max	
Shipping Weight :	305m box:		9.12kg



ORDERING INFORMATION

Order No.	Description
39-504-5E	PowerCat C5E Cable 305m box U/UTP LSZH Violet

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