



Features and Benefits

Molex Premise Networks PowerCat 6 (C6) 4 Pair U/UTP cable has been designed to support high speed data transmission systems such as Gigabit Ethernet. The cable is part of the PowerCat 6 range of products that are designed to comply with the Category 6 specification.

We recommend that the full range of PowerCat 6 products are used in a system to maximise cabling performance, providing extended frequency response and enhanced bandwidth.

- Enhanced performance 4 pair PVC cable
- Category 6 compliant
- Colour coded for ease of termination
- 500 metre and 305 metre reel

Technical Information

Mechanical

Conductor Size : 23 AWG
 Primary Insulation : Polyolefin
 Nominal O.D.: 1.0mm

Sheath Type: PVC
 Minimal Wall: 0.42mm
 Nominal O.D: 6.5mm ± 2.0mm

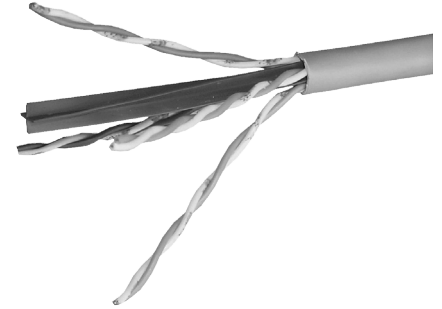
NVP: 68%

Applicable Standards: EN 50173 2nd Edition, ISO/IEC 11801 2nd Edition, EIA/TIA 568B.2.1

Fire Propagation Test: IEC 60332-1

Electrical

D.C. Resistance :	72 Ω/km Maximum		
Crosstalk (dB)	@	1MHz	84.3
	@	100MHz	54.3
	@	250MHz	48.3
Insertion Loss:	@	1MHz	1.65
(dB/100m)	@	100MHz	19.2
	@	250MHz	31
PS NEXT:	@	1MHz	82.3
	@	100MHz	52.3
	@	250MHz	46.3
ELFEXT:	@	1MHz	80
	@	100MHz	43
	@	250MHz	37
PS ELFEXT:	@	1MHz	77
	@	100MHz	43
	@	250MHz	37
Return Loss:	@	1MHz	25
	@	100MHz	26
	@	250MHz	25
Propagation Delay Skew:	45ns/100m max @ 1-250MHz		
Shipping Weight	500m reel:	22kg	
	305m reel:	15kg	



Order No.	Description
CAA-00326	PowerCat 6 C6 Cable 500m reel in a box U/UTP PVC
CAA-00286	PowerCat 6 C6 Cable 305m reel in a box U/UTP PVC

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