

## FEATURES AND SPECIFICATIONS



# PowerCat™ 6 U/FTP Cable PVC & LSZH

### Features and Benefits

Molex's PowerCat 6 (C6) 4 Pair U/FTP cable has been designed to support high speed data transmission systems such as 10G Base-T Channels and Permanent Links. The cable is part of the PowerCat 10G Shielded system.

Molex recommend that the full range of PowerCat 10G Shielded products are used in a system to maximise cabling performance.

- Enhanced performance 4 pair U/FTP cable
- Category 6 compliant
- Colour coded for ease of termination
- 500 metre reel

### Technical Information

#### Mechanical

Conductor Size : 23 AWG  
 Primary Insulation : Polyolefin  
 Nominal O.D.: 1.16mm  
 Screen Material: Aluminium Foil  
 Drain Wire: Solid tin coated copper wire

Sheath Type: PVC or LSZH  
 Nominal O.D.: 7.2mm

Operating Temperature: -20° to +75°C

NVP: 75-77%

Applicable Standards: TIA/EIA 568-B.2.1, ISO/IEC 11801:2002, EN 50173:2002

Flame Test: IEC 60332-1

#### Electrical

D.C. Resistance :		72Ω/Km @ 20°C	
Crosstalk (dB)	@	1MHz	84.3
	@	25MHz	63.3
	@	100MHz	54.3
	@	250MHz	48.3
Insertion Loss: (dB/100m)	@	1MHz	1.65
	@	25MHz	9.0
	@	100MHz	19.2
	@	250MHz	31.0
PS NEXT:	@	1MHz	82.3
	@	25MHz	61.3
	@	100MHz	52.3
	@	250MHz	46.3
ELFEXT:	@	1MHz	80
	@	25MHz	57
	@	100MHz	43
	@	250MHz	37
PS ELFEXT:	@	1MHz	77
	@	25MHz	54.0
	@	100MHz	40.0
	@	250MHz	34
Return Loss:	@	1MHz	25
	@	25MHz	30
	@	100MHz	26
	@	250MHz	25.0
Skew:		45ns/100m	
Shipping Weight		500 reel:	±28.5kg



## ORDERING INFORMATION

Order No.	Description
CAA-00328	PowerCat 6 U/FTP Cable PVC 500m reel Grey
CAA-00327	PowerCat 6 U/FTP Cable LSZH 500m reel Violet

## MOLEX PREMISE NETWORKS

Molex Premise Networks  
 Corporate Headquarters  
 Tel: 1 866 733 6659  
 www.molexpn.com

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

Pac Rim  
 Headquarters  
 Tel: 61 3 9971 7111  
 www.molexpn.com.au

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