

## Features and Benefits

Molex Premise Networks PowerCat 5e 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
- Reaction to Fire Euroclass: Eca

## Commercial Standards

EN 50173 2nd Edition, ISO/IEC 11801 2nd Edition, EIA/TIA 568-C.2  
RoHS compliant

## Fire Propagation Tests

EU Regulation 305/2011 (CPR)

EN 50575:2014+A:2016

Euroclass: Eca

DoP No: MLXCES-2017-C-001

located on web

<http://www.molexces.co.uk/about-us/our-compliance/cpr/dop-certificates/>

## Technical Information

### Mechanical Characteristics

Conductor Size: 24 AWG Soft Plain Copper  
Primary Insulation: Solid Polyethylene  
Nominal O.D.: 5.0mm nom.  
Sheath: PVC  
Nominal O.D.: 5mm  
NVP: 69%  
Maximum Pulling Force: 100N  
Operating temperature: -20°C to 60°C  
Installation temperature: -20°C to +60°C  
Sheath Colour: Grey RAL 7037

### Electrical/Optical Characteristics

D.C. Resistance: 9.38 Ω/km

Skew: 1-100MHz:  
<45ns/100m

Shipping Weight  
305m box: 9.5kg



## MOLEX CONNECTED ENTERPRISE SOLUTIONS

**Americas**  
Tel: 630 969 4550  
[www.molexces.com](http://www.molexces.com)

**EMEA**  
Tel: 44 (0)2392 205800  
[www.molexces.co.uk](http://www.molexces.co.uk)

**APAC**  
Tel: 61 3 9971 7111  
[www.molexces.com](http://www.molexces.com)

Technical Performance (100m)								
Frequency	RL	ATT(20°C)	NEXT	PHASE DELAY	Frequency	PSNEXT	ELFEXT	PSELFEXT
(MHz)	≥ dB	≥ dB	≥ dB	≥ ns	(MHz)	≥ dB	≥ dB	≥ dB
1	20.0	2.0	65.3	570.00	1	62.3	63.8	60.8
4.0	23.0	4.1	56.3	552.00	4	53.3	51.8	48.8
8.0	24.5	5.8	51.8	546.73	8	48.8	45.7	42.7
10.0	25.0	6.5	50.3	545.38	10	47.3	43.8	40.8
16.0	25.0	8.2	47.2	543.00	16	44.4	39.7	36.7
20.00	25.0	9.3	45.8	542.05	20	42.8	37.8	34.8
25.0	24.3	10.4	44.3	541.20	25	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	100	32.3	23.8	20.8

**ORDERING INFORMATION**

Order No.	SAP No.	Description
39.A0360	181770242	PowerCat 5E F/UTP PVC cable Eca yellow 305m box

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**EKSPLOATACINIŲ SAVYBIŲ DEKLARACIJA****Nr.****MLXCES-2017-C-001****Produkto tipo unikalus identifikavimo kodas:****39.A0360****181770242****U/UTP C5E PVC****Naudojimo paskirtis (-ys):**

Bendrosios paskirties statybos darbuose naudojami kabeliai, kuriems keliami reakcijos į ugnį reikalavimai

**Gamintojas:**

Molex Connected Enterprise Solutions Sp. z.o.o.

83-112 Lubiszewo

ul. Tczewska 2 Rokitki

Lenkija

**System AVCP**

AVCP: 3

**Darnusis standartas:**

EN 50575:2014+A1:2016

**Notifikuotoji (-osios) įstaiga (-os):**

Electrotechnical Testing Institute:1014

**Deklaruojama (-os) eksploatacinė (-ės) savybė (-ės):**

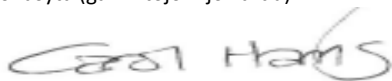
Priešgaisrinės savybės:

**Eca**

Pavojingos medžiagos:NPD

Nurodyto produkto eksploatacines savybes atitinka visas deklaruotas eksploatacines savybes. Ši eksploatacinių savybių deklaracija pateikiama vadovaujantis Reglamentu (ES) Nr. 305/2011, atsakomybė už jos turinį tenka tik joje nurodytam gamintojui.

Pasirašyta (gamintojo ir jo vardu)



Pavadinimas: Carol Harris

Pozicija: Product Manager

Vieta: UK

Duomenys: 31-5-2017

Tinklapių adresas rasti Deklaraciją:<http://www.molexces.com/about-us/our-compliance/cpr/>

Lithuania