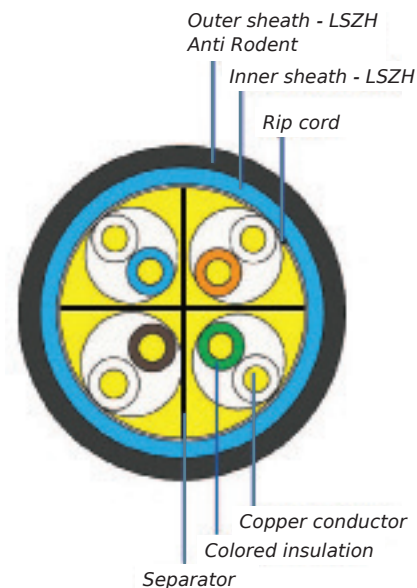


# PowerCat 6 Dual Sheath LSZH Anti-Rodent Outdoor Cable >

The Molex outdoor Category 6 cable contains 4 Pair UTP sheathed with a gray LSZH compound. The anti-rodent and anti-termite cable has an additional layer of black LSZH outer jacket rendering the cable suitable for outdoor installations.

Enhanced performance cable for transmission of high speed data, digital and analog, voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 base T) standard. Operates at bandwidth of 250MHz.



## FEATURES AND ADVANTAGES

Permanent link compliant

LSZH double sheathed for greater protection

UV Resistant

Suitable for Outdoor Installations including mild mechanical abuse and rain

RoHs Compliant

## SPECIFICATIONS

### Commercial Standards

Category 6 ANSI/TIA/EIA 568.2-D  
IEC/ISO 11801  
Flammability Test IEC 60332-1  
Acid Gas Emission Test - IEC60754-1  
Smoke Density Test - ASTM 2843

### Mechanical

**Conductor Size:** Solid  $0.565 \pm 0.005$  mm  
23 AWG Bare Copper

**Primary Insulation:** HDPE

**Nominal O.D.:**  $1.02 \pm 0.10$ mm

**Sheath Type (Inner):** LSZH Gray

**Sheath Type (Outer):** LSZH Black with  
Anti-Rodent & Anti-Termite

**Nominal O.D.:** Overall  $8.7 \pm 0.5$  mm  
Inner: 0.7mm Nominal  
Outer:  $1.1 \pm 0.2$  mm

**Operating Temperature:** -20° to + 70°C

**NVP:** 65-69%

**Maximum Pulling force:** 11.5 Kg

**Bend radius:** 8 x Cable dia

### Electrical

**Conductor resistance:**  $\leq 9.38 \Omega/100\text{m}$  or  
 $\leq 93.8 \Omega/\text{km}$

[www.molex.com/products/copper/cat6/](http://www.molex.com/products/copper/cat6/)

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## TECHNICAL INFORMATION

All the below values are w.r.t to PL test

Freq.	Insertion Loss Max.	NEXT Min.	ACR-N Min.	RL Min.	PSNEXT Min.	PS ACR-N Min.	ACR-F Min.	PS ACR-F
MHz	dB	dB	dB	dB	dB	dB	dB	nS/100m
1	1.9	65	62	19.1	62	59	64.2	61.2
4	3.5	64.1	60.6	21	61.8	58.3	52.1	49.1
8	5	59.4	54.4	21	57	52.1	46.1	43.1
10	5.5	57.8	52.3	21	55.5	49.9	44.2	41.2
16	7	54.6	47.6	20	52.2	45.2	40.1	37.1
20	7.9	53.1	45.2	19.5	50.7	42.8	38.2	35.2
25	8.9	51.5	42.7	19	49.1	40.2	36.2	33.2
31.25	10	50	40	18.5	47.5	37.6	34.3	31.3
62.5	14.4	45.1	30.8	16	42.7	28.3	28.3	25.3
100	18.6	41.8	23.3	14	39.3	20.7	24.2	21.2
200	27.4	36.9	9.6	11	34.3	7	18.2	15.2
250	31.1	35.3	35.3	10	32.7	1.6	16.2	13.2

## ORDERING INFORMATION

Order No.	SAP No.	Description
CAA-00425	181740150	PowerCat 6 UTP Anti-Rodent LSZH Outdoor Cable - 305m

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