

# PowerCat 6 U/UTP Outdoor >

The Molex outdoor Category 6 cable contains 4 Pair UTP sheathed with a grey LS0H compound. An additional layer of Heavy-Duty black PVC outer jacket renders the cable suitable for outdoor installations.



## FEATURES AND ADVANTAGES

Category 6 compliant

LS0H and PVC Sheathed for greater protection

UV Resistant

Suitable for Outdoor Installations including mild mechanical abuse and rain

## SPECIFICATIONS

### Commercial Standards

Category 6 ANSI/TIA/EIA 568C.2  
ISO/IEC 11801  
IEC 61156-5

### Mechanical

**Conductor Size:** Solid 0.58 23 AWG  
Bare Annealed Copper  
**Primary Insulation:** Solid Polyolefin  
**Nominal O.D.:** 1.0 mm  
**Sheath Type (Inner):** LS0H  
**Sheath Type (Outer):** Heavy Duty UV  
Resistant PVC  
**Nominal O.D.:** Overall 10.3 mm  
Inner 0.6mm  
Outer 1.8 mm  
**Operating Temperature:** -40° to +  
60°C  
**NVP:** 65-69%  
**Maximum Pulling force:**100N  
**Tensile Strength:** 11.5Kg

### Package information

**Reel Size:** 320 Height X 400mm Width  
**305 meter per reel**

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

# PowerCat 6 U/UTP Outdoor

## TECHNICAL INFORMATION

### Electrical/Optical Characteristics

Freq.	RL	ATT	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	Phase Delay	Upper Characteristic Impedance	Lower Characteristic Impedance
MHz	dB	dB/100m	dB	dB	dB	dB	ns/100m	Zu( $\Omega$ )	Zl( $\Omega$ )
1	-	-	74.3	72.3	67.8	64.8	570.0	-	-
4	23.0	3.8	65.3	63.3	55.8	52.8	552.0	115.2	44.0
8	24.5	5.6	60.8	58.8	49.7	46.7	546.7	112.6	40.0
10	25.0	6.0	59.3	57.3	47.8	44.8	545.4	111.9	38.0
16	25.0	7.6	56.2	54.3	43.7	40.7	545.4	111.9	37.0
20	25.0	8.5	54.8	52.8	41.8	38.8	542.0	111.9	35.1
25	24.3	9.5	53.3	51.3	39.8	36.8	541.0	112.9	32.0
31.25	23.6	10.7	51.9	49.9	37.9	34.9	540.0	114.1	30.0
62.5	21.5	15.4	47.4	45.4	31.9	28.9	538.6	118.3	26.0
100	20.1	19.8	44.3	42.3	27.8	24.8	537.6	121.9	24.6
200	18.0	29.0	39.8	37.8	21.8	18.8	536.5	128.8	23.0
250	18.0	32.0	38.3	36.3	19.8	16.8	536.3	131.5	22.2

## ORDERING INFORMATION

Part No	SAP No	Description
CAA-00335	Consult Molex	PowerCat 6 U/UTP Outdoor LS0H, 305m/reel

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