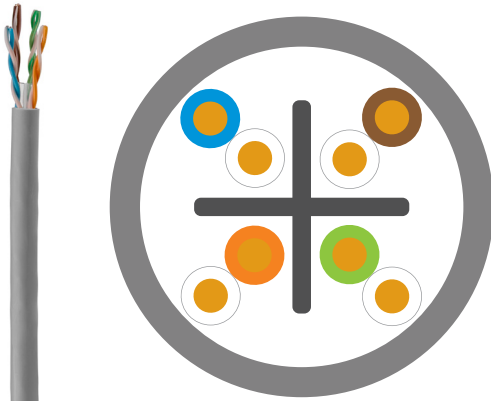


## UT46M Cat 6 U/UTP Cables

### APPLICATION

Leviton UT46M Cat 6 U/UTP Cables are rated to 250 MHz and are suitable for use in all Cat 6/Class E structured cable systems to support Fast Ethernet, Gigabit Ethernet, Power over Ethernet (PoE), voice, and broadband video transmissions. Cables conform to ANSI/TIA-568.2-D Cat 6 and ISO/IEC 11801 2nd Edition Class E Cat 6 requirements. The cable features a PVC sheath designed for indoor installation environments.



### FEATURES & BENEFITS

- Compact, round design saves space and enhances flexibility
- Supports all Cat 6 / Class E protocols including Gigabit Ethernet
- Designed to enable remote powering / Power over Ethernet up to 90 watts

### STANDARDS & REGULATIONS

- ISO/IEC 11801 Class E
- IEC 61156-5
- ANSI/TIA 568.2-D
- IEEE 802.3 PoE Type 1, 2, 3, 4 (90 watts max)
- Cisco UPOE, UPOE+ (90 watts max)

### FIRE RATING

- UL1685 CM

### ENVIRONMENTAL COMPLIANCE

- RoHS

### COUNTRY OF ORIGIN

China

### WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/ns/warranty](https://www.leviton.com/ns/warranty)

**PRODUCT SPECIFICATIONS**  
**UT46M Cat 6 U/UTP Cables**

**TECHNICAL SPECIFICATIONS**

<b>Electrical properties (20 °C ± 5 °C)</b>	
DC resistance	Max. 9.38 Ω/100 m
DC resistance unbalance	≤ 5%
Mutual capacitance	Nom. 5.6 nF/100 m at 1 kHz
Capacitance unbalance (pair-to-ground)	Max. 330 pF/100 m at 1 kHz
Delay skew	45 ns/100 m max.
Nominal velocity of propagation	65%

**MECHANICAL SPECIFICATIONS**

<b>Dimensional Characteristics</b>	
Length per reel	1000 ft (305 m)
Number of pairs	4
<b>Usage Characteristics</b>	
Category	Cat 6
Type of cable	UTP
Temp. (Installation):	0 °C to +50 °C (+32 °F to +122 °F)
Temp. (Operating):	-20 °C to +75 °C (-4 °F to +167 °F)

**TECHNICAL DATA - PHYSICAL**

Conductor	24 AWG bare copper
Nom. cable diameter	5.6 +/- 0.3 mm
Nom. cable weight	31 kg/km
Max. installation tension	110 N
Min. bend radius installation	4 x O.D.

**PRODUCT SPECIFICATIONS**  
**UT46M Cat 6 U/UTP Cables**



UT46M Cat 6 U/UTP Cables

**TIA/EIA-568.2-D AND IEC-61156-5 ELECTRICAL CHARACTERISTICS**

Freq. MHz	Input Impedance (Ohms)	ATT (dB)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	PD (ns)
1	100 ± 15	2.03	20.0	74.3	72.3	67.8	64.8	570.0
4	100 ± 15	3.8	23.0	65.3	63.3	55.8	52.8	552.0
8	100 ± 15	5.4	24.5	60.8	58.8	49.7	46.7	546.7
10	100 ± 15	6.0	25.0	59.3	57.3	47.8	44.8	545.4
16	100 ± 15	7.6	25.0	56.2	54.2	43.7	40.7	543.0
20	100 ± 15	8.5	25.0	54.8	52.8	41.8	38.8	542.0
25	100 ± 15	9.6	24.3	53.3	51.3	39.8	36.8	541.2
31.25	100 ± 15	10.7	23.6	51.9	49.9	37.9	34.9	540.4
62.5	100 ± 15	15.5	21.5	47.4	45.4	31.9	28.9	538.6
100	100 ± 15	19.9	20.1	44.3	42.3	27.8	24.8	537.6
200	100 ± 22	29.1	18.0	39.8	37.8	21.8	18.8	536.5
250	100 ± 22	33.0	17.3	38.3	36.3	19.8	16.8	536.3

**PART NUMBER**

Description	Part Number	Packaging	Availability
UT46M Cat 6, 24 AWG U/UTP Cable, CM, grey	161-UT46M-MSB	1000 ft (305 m) box	China
UT46M Cat 6, 24 AWG U/UTP Cable, CM, blue	160-UT46M-MLB	1000 ft (305 m) box	China

For further support information, visit [Leviton.com/ns/support](http://Leviton.com/ns/support)

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