

## Cat.6 U/UTP Patch Cable

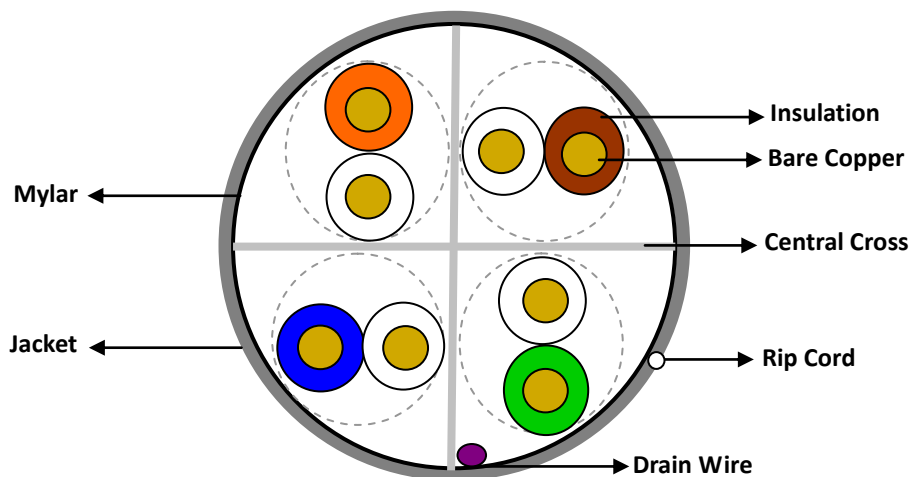


100461

100463

The equip<sup>®</sup> Copper Patch Cable is made of preeminent materials and thoroughly examined to meet or surpass industrial standards defined by the EIA / TIA, ISO and EN standard bodies. The performance is guaranteed via a comprehensive test including attenuation, return loss, NEXT (Next End Crosstalk) and FEXT (Far End Crosstalk) up to 250MHz and hence the equip<sup>®</sup> Patch Cable serves well in the most demanding networking environments.

### | Structure





[www.equip-info.net](http://www.equip-info.net)

## | Specification

<b>Conductor</b>	Material	Bare Copper
	Construction	24AWG, 7/0.20 ± 0.015mm
<b>Insulation</b>	Material	HD-PE
	Thickness	MIN at any point: 0.18 mm / MAX AVG:0.20 mm
	Diameter	0.96 ± 0.03mm
	Colors	Blue-White/Blue, Orange-White/Orange, Green-White/Green, Brown-White/Brown
<b>Jacket</b>	Material	PVC
	Thickness	MIN at any point: 0.50mm / MAX AVG: 0.58mm
	Diameter	5.8 ± 0.3mm
	Colors	Beige
	Marking	equip CAT.6 U/UTP PATCH CABLE 350MHZ E213738 CM (UL) C(UL)

## | Electrical Properties

<b>Spark Test</b>	2000 ± 250 VOC
<b>Dielectric Strength</b>	1000V dc/3 seconds
<b>Insulation Resistance</b>	MIN 150MΩ/KM
<b>Conductor Resistance</b>	MAX 9.38 Ω/100m at 20°C
<b>Resistance Unbalance</b>	MAX 5%
<b>Capacitance Unbalance</b>	MAX 330pF/100m
<b>Mutual Capacitance</b>	MAX 560pF/100m
<b>Impedance</b>	100± 15Ω

## | Performance

Frequency (MHz)	Impedance ( $\Omega$ )	RL dB/100m	Attenuation dB/100m	NEXT (dB)	PS-NEXT (dB)
772KHz	100 $\pm$ 15	19.44	1.84	76.0	74.0
1MHz	100 $\pm$ 15	20.00	2.04	74.30	72.3
4MHz	100 $\pm$ 15	23.01	3.81	65.3	63.3
8MHz	100 $\pm$ 15	24.52	5.35	60.8	58.8
10MHz	100 $\pm$ 15	25.00	5.99	59.3	57.3
16MHz	100 $\pm$ 15	25.00	7.60	56.2	54.2
20MHz	100 $\pm$ 15	25.00	8.52	54.8	52.8
25MHz	100 $\pm$ 15	24.32	9.57	53.3	51.3
31.25MHz	100 $\pm$ 15	23.64	10.74	51.9	49.9
62.5MHz	100 $\pm$ 15	21.54	15.48	47.4	45.4
100MHz	100 $\pm$ 15	20.10	19.92	44.3	42.3
125MHz	100 $\pm$ 22	19.42	22.49	42.8	40.8
200MHz	100 $\pm$ 22	18.00	29.15	39.8	37.8
250MHz	100 $\pm$ 32	17.32	33.04	38.3	36.3

## | Ordering Information

PN	EAN	Packing	Weight
100461	4015867105078	Equip EZ Box	6Kg
100463	4015867105085	Equip EZ Box	12Kg

## | Typical Applications

- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
- IEEE 802.5 16 MB; ISDN; TPDDI; ATM
- Class E ISO/IEC 11801 2nd Edition & EN 50173