

## Cat.6 S/FTP Installation Cable

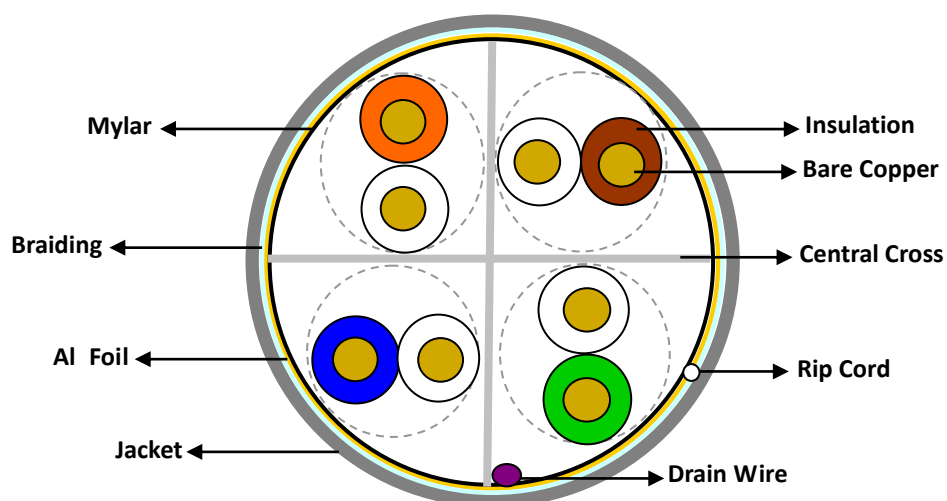


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The equip<sup>®</sup> Installation Cable is made of preminent materials and thoroughly examined to meet or surpass industrial standards defined by the EIA / TIA, ISO and EN standard bodies. The performance is guaranteed via a comprehensive test including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

### | Structure



## | Specification

<b>Conductor</b>	Material	Bare Copper
	Construction	23AWG, 1/0.57 ± 0.015mm
<b>Insulation</b>	Material	HD-PE
	Thickness	MIN at any point: 0.24 mm / MAX AVG:0.26 mm
	Diameter	1.08 ± 0.02mm
	Colors	Blue-White/Blue, Orange-White/Orange, Green-White/Green, Brown-White/Brown
<b>Stranding</b>	Mylar	0.035*25mm
	Al Foil	0.065*25mm
	Drain Wire	1/0.40±0.02mm
	Central Cross	PE: 5.0*0.7mm
	Braiding	Tinning Wire: 16 × 4 × 1/0.12mm
<b>Jacket</b>	Material	LSOH
	Thickness	MIN at any point: 0.53mm / MAX AVG: 0.55mm
	Diameter	7.2 ± 0.2mm
	Colors	Beige (RAL1015)
	Marking	equip CAT.6 S/FTP INSTALL CABLE E213738-Y CM

## | 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 ( $\Omega$ )	Attenuation dB/100m	RL dB/100m	ACR dB/100m	PS-ACR dB/100m	NEXT (dB)	PS-NEXT (dB)	ELFEXT dB/100m	PS-ELFEXT dB/100m
1.0	100 $\pm$ 15	2.0	20.0	72.3	70.3	74.3	72.3	67.8	64.8
4.0	100 $\pm$ 15	3.8	23.0	61.5	59.5	65.3	63.3	55.8	52.8
8.0	100 $\pm$ 15	5.3	24.5	55.4	53.4	60.8	58.8	49.7	46.7
10.0	100 $\pm$ 15	6.0	25.0	53.3	51.3	59.3	57.3	47.8	44.8
16.0	100 $\pm$ 15	7.6	25.0	48.6	46.6	56.2	54.2	43.7	40.7
20.0	100 $\pm$ 15	8.5	25.0	46.3	44.3	54.8	52.8	41.8	38.8
25.0	100 $\pm$ 15	9.5	24.3	43.8	41.8	53.3	51.3	39.8	36.8
31.25	100 $\pm$ 15	10.7	23.6	41.4	39.1	51.9	49.9	37.9	34.9
50	100 $\pm$ 15	13.6	22.4	35.6	33.6	49.2	47.2	34.3	31.3
62.5	100 $\pm$ 15	15.4	21.5	31.9	29.9	47.4	45.4	31.9	28.9
100.0	100 $\pm$ 15	19.8	20.1	24.4	22.4	44.3	42.3	27.8	24.8
155.0	100 $\pm$ 15	25.2	18.8	20.4	18.4	42.8	40.8	25.9	22.9
200.0	100 $\pm$ 15	29.0	18.0	10.6	8.6	39.8	37.8	21.8	18.8
250.0	100 $\pm$ 15	32.8	17.3	5.3	3.3	38.3	36.3	19.8	16.8

## | Ordering Information

PN	EAN	Length	Packing	Weight
401481	4015867165249	100m	Equip EZ Box	5.25Kg
401483	4015867165096	305m	Wood Drum	16.5Kg

## | 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