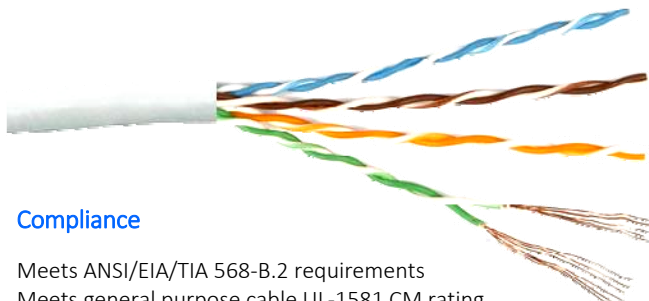


i-Net Networks Category5e UTP Stranded Cable



Compliance

Meets ANSI/EIA/TIA 568-B.2 requirements
Meets general purpose cable UL-1581 CM rating
Meets fire retardant low smoke IEC60332-1 rating

Material

Conductive material: Soft annealed electrolytic copper
Conductor insulation: HDPE

Physical

Conductor diameter:
7x0.16 mm (0.007")±0.01 mm (24 AWG)
Insulated conductor diameter: 0.90±0.2 mm (0.035"±0.008")
Outer cable diameter: 5.1±0.02 mm (0.2"±0.008")
Jacket type & thickness: PVC/LSZH & 0.4 mm (0.0157")
Minimum bend radius:
8xØ (installation), 6xØ (vertical cabling), 4xØ (horizontal cabling)
Installation temperature: -5°C~+50°C (+23°F~+122°F)
Operating temperature: -20°C~+75°C (-4°F~+167°F)
Weight per 1000 ft (304.8 m): 10.5 kg (23.15 lbs)

Electrical

Frequency, MHz	RL	Attenuation, dB	NEXT, dB	PSNEXT, dB	ELFEXT, dB	PSELFEXT, dB
0.772	-	1.8	67.0	64.0	-	-
1.0	20.0	2.0	65.3	62.3	63.8	60.8
4.0	23.0	4.0	56.3	53.3	51.7	48.7
8.0	24.5	5.8	51.8	48.8	45.7	42.7
10.0	25.0	6.5	50.3	47.3	43.8	40.8
16.0	25.0	8.2	47.3	44.3	39.7	36.7
20.0	25.0	9.3	45.8	42.8	37.7	34.7
25.0	24.3	10.4	44.3	41.3	35.8	32.8
31.25	23.6	11.7	42.9	39.9	33.9	30.9
62.5	21.5	17.0	38.4	35.4	27.8	24.8
100.0	20.1	22.0	35.3	32.3	23.8	20.8

Technical

Conductor resistance at 20°C (68°F)	9.38Ω/100m (2.9Ω/100ft)
DC Resistance Unbalance	5%
Pair-to-Ground Capacitance Unbalance	330pF/100m (101pF/100 ft)
Impedance 0.772-100 MHz	85Ω-115Ω
Mutual Capacitance	5.6nF/m (1.7nF/ft)
Spark Test	2.5kV

Ordering

HI5EUR-**M-C** i-Net Networks Horizontal Cable Category5e UTP Stranded 24AWG 4-Pair Milky Gray PVC

M **M**-Milky Gray, **B**-Blue, **G**-Green, **Y**-Yellow, **O**-Orange, **R**-Red, **W**-White

C **C**-PVC, **L**-LSZH