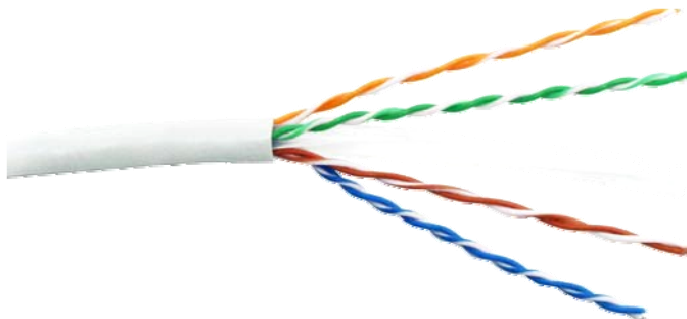


i-Net Networks Category6 Unshielded Solid Cable

**Material**

Conductive material: Soft annealed electrolytic copper
 Conductor insulation: HDPE, film-porous-film structure
 Cable jacket: PVC/LSZH

Electrical

Frequency, MHz	RL	Attenuation, dB	NEXT, dB	PSNEXT, dB	ELFEXT, dB	PSSELFEXT, dB
1.0	20.0	2.0	74.3	72.3	67.8	64.8
4.0	20.3	3.8	65.3	63.3	55.8	52.8
8.0	24.5	5.3	60.8	58.8	49.7	46.7
10.0	25.0	6.0	59.3	57.3	47.8	44.8
16.0	25.0	7.6	56.3	54.3	43.7	40.7
20.0	25.0	8.5	54.8	52.8	41.8	38.8
25.0	24.3	9.5	53.3	51.3	39.8	36.8
31.25	23.6	10.7	51.9	49.9	37.9	34.9
62.5	21.5	15.4	47.4	45.4	31.9	28.9
100.0	20.1	19.8	44.3	42.3	27.8	24.8
200.0	18.0	29.0	39.8	37.8	21.8	18.8
250.0	17.3	32.8	38.3	36.3	19.8	16.8

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/100ft)
Impedance 1-250 MHz	85Ω-115Ω
Mutual capacitance	5.6nF/m (1.7nF/ft)
Spark test	2.5kV

Ordering

HI06US M -3- C	i-Net Networks Horizontal Cable Category6 UTP Solid 23AWG 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

Compliance

Meets ANSI/EIA/TIA 568-B.2-1 requirements
 Meets fire retardant low smoke IEC60332-1 rating

Physical

Conductor diameter: 0.55±0.01 mm (23 AWG)
 Insulated conductor diameter: 0.99±0.2 mm (0.038"±0.008")
 Outer cable diameter: 6.2±0.2 mm (0.24"±0.008")
 Jacket thickness: 0.4 mm (0.0157")
 Pulling strength: 130 N maximum
 Minimum bend radius:
 8xØ (installation), 6xØ (vertical cabling), 4xØ (horizontal cabling)
 Operating temperature: -20°C to +75°C (-4°F to +167°F)
 Weight per 1000 ft (304.8 m): 13.0 Kg (28.66 lbs)
 Standard package: 304.8 m (1000 ft)