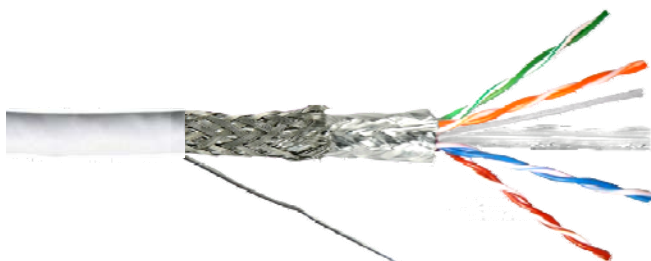


i-Net Networks Category6 SF/UTP Solid Cable

**Material**

Conductive material: Soft annealed electrolytic copper
 Conductor insulation: HDPE, film-porous-film structure
 Cable jacket: PVC/LSZH
 Shield: Aluminum foil helically applied over twisted pair
 Shield thickness: 0.025 mm (0.001"), width=20 mm (0.78")

Electrical

Frequency, MHz	RL	Attenuation, dB	NEXT, dB	PSNEXT, dB	ELFEXT, dB	PSELFEXT, dB
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
200.0	19.5	25.6	32.2	29.8	19.6	18.7
250.0	18.7	29.3	29.4	26.4	16.8	16.8

Technical

Max conductor resistance at 20°C (68°F)	9.38Ω/100m (2.9Ω/100ft)
Max Resistance Unbalance	5%
Max pair-to-ground capacitance unbalance	330pF/100m (101pF/100ft)
Characteristic Impedance at 1-250 MHz	85Ω-115Ω
Mutual capacitance	5.6nF/m (1.7nF/ft)
Spark Test	2.5kV

Ordering

HI06SS**M**-3-**C** i-Net Networks Horizontal Cable Category6 SF/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 general purpose cable UL-1581 CM rating

Physical

Conductor diameter: 0.55±0.01 mm (23-24 AWG)
 Insulated conductor diameter: 1.56 mm (0.06")
 Outer cable diameter: 8.4±0.2 mm (0.33"±0.008")
 Jacket thickness: 0.5 mm (0.019")
 Pulling strength: 130 N maximum
 Minimum bend radius:
 9xØ (installation), 7xØ (vertical cabling), 5xØ (horizontal cabling)
 Conductor elongation: 14% minimum
 Operating temperature: -20°C~+60°C (-4°F~+140°F)
 Weight per 1000 ft (304.8 m): 15.7 Kg (34.61 lbs)
 Standard package: 304.8 m (1000 ft)