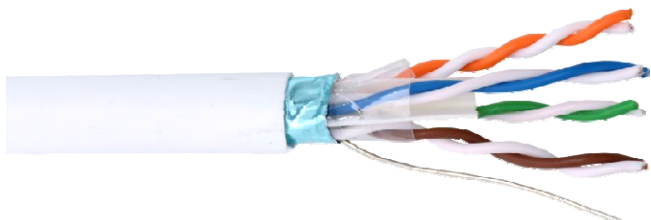


i-Net Networks 10G Category6A F/UTP Solid Cable



Material

Conductive material:
Soft annealed electrolytic copper

Conductor insulation:
HDPE, film-porous-film structure

Cable jacket:
PVC/LSZH

Compliance

Meets ANSI/EIA/TIA 568-C.2
Meets ISO/IEC 2nd edition 11801 class EA
Meets CENELEC EN 50173-1, 50288-10-1
Meets IEC 3rd edition 61935-1, 2nd edition 61156-2
Meets Fire retardant low smoke IEC 60332-1-2

Physical

Conductor diameter: 0.57±0.02mm (23AWG)
Insulation diameter/thickness: 1.42±0.01mm/min 0.419 mm
Insulation tensile strength: Minimum 0.816 Kg/mm²
Sheath diameter/thickness: 7.4mm±0.01mm/min 0.50mm
Sheath tensile strength: Minimum 1.407 Kg/mm²
Operating temperature: -30°C~+70°C (-22°F~+158°F)
Weight per 1000 ft (304.8 m): 18.5 kg (40.79 lbs)
Standard package: 304.8 m (1000 ft)

Technical

Dielectric strength	2.5kV/3 seconds
Insulation resistance test	Min. 150MΩ/km
Conductor resistance at 20°C (68°F)	9.38Ω/100m (2.9Ω/100ft)
DC resistance unbalance	2%
Pair-to-Ground capacitance unbalance	160pF/100m (51pF/100 ft)
Impedance 1-500 MHz	100Ω-115Ω
Mutual capacitance	5.6nF/m (1.7nF/ft)
Spark test	2.5kV

Electrical

Frequency, MHz	Pair Attenuation, dB/100m	NEXT losses, dB	PS NEXT, dB
1	2.1	74.3	72.3
10	5.9	59.3	57.3
100	19.1	44.3	42.3
200	27.6	39.8	37.8
250	31.1	38.3	36.3
300	34.3	37.1	35.1
400	40.1	35.3	33.3
500	45.3	33.8	31.8

Ordering

HI6AFS-**M-C** i-Net Networks Horizontal Cable Category6A F/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