

i-Net Networks Category3 Unshielded Solid Multi-Pair Riser Cable



Description

Unshielded Copper, 10, 20, 30, 50, 100 pairs, category 3, solid.

Electrical

Max DC Resistance at 20°C (68°F)	9.38Ω/100m (2.9Ω/100 ft)	Maximum voltage	300V
Max Resistance Unbalance	3%	Characteristic Impedance 1-16 MHz	85Ω-115Ω
Max Capacitance unbalance– pair-to-ground at 1kHz	330pF/100m (101pF/100ft)	Min Relative Velocity of Propagation at 10 MHz	0.585
Max attenuation at 20°C (68°F)		Min worst pair to pair NEXT loss at 772 kHz	43dB
At 772 kHz	2.2dB/100m (0.67dB/100ft)	At 1 MHz	41dB
At 1 MHz	2.6dB/100m (0.79dB/100ft)	At 4 MHz	32dB
At 4 MHz	5.6dB/100m (1.70dB/100ft)	At 8 MHz	27dB
At 8 MHz	8.5dB/100m (2.59dB/100ft)	At 10 MHz	26dB
At 10 MHz	9.7dB/100m (2.96dB/100ft)	At 16 MHz	23dB
At 16 MHz	13.1dB/100m (3.99dB/100ft)		

Min worst pair Structural Return Loss (SRL) up to 10 MHz-12dB, At 16 MHz-10dB

Physical

Parameters	10 Pair	20 Pair	30 Pair	50 Pair	100 Pair
Conductor diameter	0.41~0.51 mm (26~24 AWG)	0.41~0.51 mm (26~24 AWG)	0.41~0.51 mm (26~24 AWG)	0.41~0.51 mm (26~24 AWG)	0.41~0.51 mm (26~24 AWG)
Insulated conductor diameter	0.9 mm (0.035")	0.9 mm (0.035")	0.9 mm (0.035")	0.9 mm (0.035")	0.9 mm (0.035")
Outer cable diameter	7.5 mm (0.295")	9.5 mm (0.374")	11 mm (0.433")	15 mm (0.590")	20.0 mm (0.787")
Jacket thickness	1.0 mm (0.039")	1.0 mm (0.039")	1.0 mm (0.039")	1.0 mm (0.039")	1.0 mm (0.039")
Maximum strand pitch	100 mm (3.937")	100 mm (3.937")	100 mm (3.937")	150 mm (5.9")	150 mm (5.9")
Minimum bend radius	6x∅	6x∅	6x∅	8x∅	8x∅
Conductor elongation	Min 14%	Min 14%	Min 14%	Min 14%	Min 14%
Operating temperature	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
Weight per Std. Pack	32.0 kg (70.55 lbs)	51.2 kg (112.9 lbs)	67.2 kg (148.1 lbs)	96 kg (211.6 lbs)	169 kg (372.6 lbs)
Standard package	500 m (1640 ft)	500 m (1640 ft)	500 m (1640 ft)	304.8 m (1000 ft)	304.8 m (1000 ft)

Ordering

R34X-I-10 i-Net Networks Riser Indoor Cable Category3 UTP Solid 24AWG 10 Pair CMX

R36X-I-10 i-Net Networks Riser Indoor Cable Category3 UTP Solid 26AWG 10 Pair CMX

I I-Indoor PVC Milky Grey, **O**-Outdoor PE Jelly Filled Black, **A**-Outdoor PE Armored Black

10 10-10 Pair, **20**-20 Pair, **30**-30 Pair, **50**-50 Pair, **1H**-100 Pair