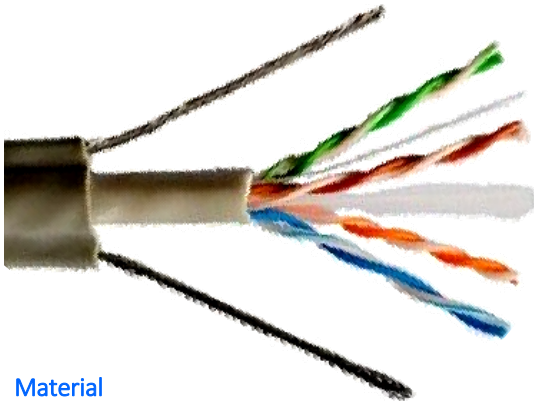


i-Net Networks Category6 Unshielded Stranded Twin Steel Travelling Cable



Material

Conductive material: Soft annealed electrolytic copper
 Conductor insulation: HDPE, film-porous-film structure
 Cable jacket: PVC
 Outer jacket material: Special elastic PVC
 Steel wire: Galvanized steel wire

Compliance

Meets ANSI/EIA/TIA 568-B.2-1 requirements
 Meets EN50214 requirements
 Meets fire retardant low smoke IEC60332-1 rating

Physical

Conductor diameter: $7 \times 0.20 \text{ mm} \pm 0.01 \text{ mm}$ (24 AWG)
 Insulation average thickness: $0.2 \pm 0.01 \text{ mm}$ ($0.008'' \pm 0.0004''$)
 Insulation min. thickness: $0.18 \pm 0.01 \text{ mm}$ ($0.007'' \pm 0.0004''$)
 Sheath average thickness: $1 \text{ mm} \pm 0.01 \text{ mm}$ ($0.04'' \pm 0.0004''$)
 Sheath min. thickness: $0.8 \text{ mm} \pm 0.01 \text{ mm}$ ($0.032'' \pm 0.0004''$)
 Outer cable diameter: $8.0 \text{ mm} \times (14 \pm 0.5) \text{ mm}$
 Number of steel wire and strands: 2 (Wires) $\times 7 \times 0.32 \text{ mm}$
 Operating temperature: $-15^\circ\text{C} \sim +75^\circ\text{C}$ ($+5^\circ\text{F} \sim +167^\circ\text{F}$)
 Weight per 1000 ft (304.8 m): 39 kg (85.98 lbs)
 Standard package: 1000 ft (304.8 m)

Electrical

Frequency, MHz	RL	Attenuation, dB	NEXT, dB	PSNEXT, dB	ELFEXT, dB	PSSELFEXT, dB
1.0	20.0	2.4	74.3	72.3	67.8	64.8
4.0	23.0	4.5	65.3	63.3	55.8	52.8
8.0	24.5	6.4	60.8	58.8	49.7	46.7
10.0	25.0	7.1	59.3	57.3	47.8	44.8
16.0	25.0	9.1	56.2	54.2	43.7	40.7
20.0	25.0	10.2	54.8	52.8	41.8	38.8
25.0	24.2	11.4	53.3	51.3	39.8	36.8
31.25	23.3	12.8	51.9	49.9	37.9	34.9
62.5	20.7	18.5	47.4	45.4	31.9	28.9
100.0	19.0	23.8	44.3	42.3	27.8	24.8
200.0	16.4	34.8	39.8	37.8	21.8	18.8
250.0	15.6	39.4	38.3	36.3	19.8	16.8

Technical

Conductor resistance at 20°C (68°F)	7.34 Ω /100 m (2.24 Ω /100 ft)
DC resistance unbalance	2.5%
Voltage test	1.5 kV/5 min
Impedance 1-250 MHz	92.9 Ω -105.9 Ω
Travel speed	4 m/s max.
Rated voltage	300/500 V

Ordering (*code change alert: HE06URM old code replaced by new code HE06UR*)

HE06UR-L-C i-Net Networks Travelling Cable Category6 UTP Stranded 4-Pair 7x0.20mm Copper Twin Steel Black PVC