

Category6 UTP Solid Outdoor Cable

Specification

Meets ANSI/EIA/TIA 568-B.2-1 requirements
 Meets general purpose cable UL-1581 CM rating
 Meets fire retardant low smoke IEC60332-1 rating
 Meets plenum UL-910 rating
 Tested up to 350MHz

Description

Unshielded Copper cable, 4 pairs, category 6, solid
 Cable is used for outdoor installation

Material

Conductive material: wire made of soft annealed electrolytic copper
 Conductor insulation: HDPE, film-porous-film structure
 The cable inner jacket: PVC / LSZH / Plenum
 The Cable outer jacket: UV resistant black PE

Technical Characteristic

Conductor diameter: $0.56-0.51 \pm 0.01$ mm (23-24 AWG)
 Insulated conductor diameter: 0.99 ± 0.2 mm ($0.038" \pm 0.008"$)
 Outer cable diameter: 6.2 ± 0.2 mm ($0.24" \pm 0.008"$)
 Jacket thickness: 0.65 mm (0.025")
 Pulling strength: 130 N maximum
 Minimum bend radius: 8xØ while installation, 6xØ while vertical cabling, 4xØ while horizontal cabling
 Conductor elongation: 14% minimum
 Operating temperature: -40°C – +60°C (-40°F – +140°F)
 Weight per 1000 ft (304.8 m): 24 AWG 12.5 kg (27.56 lbs) / 23 AWG 14.0 Kg (30.86 lbs)
 Standard package: 304.8 m (1000 ft)

Electrical Characteristic

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	18.6	27.9	33.2	30.3	20.7	17.8
250.0	17.3	31.9	30.2	28.3	17.9	14.7

Conductor resistance at 20°C (68°F)	9.38Ω/100m (2.86Ω/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 Information

HO06USL-**3-C** i-Net Networks Horizontal Outdoor Cable Category6 UTP Solid 23AWG 4Pair Black PE CM

3 **3**—23AWG, **4**—24AWG

C **C**—CM, **L**—LSZH, **P**—Plenum

