CAT6 SFTP - Outdoor Cable - 305 Mtr - Black

Feature & Benefits

- Category 6/Class E compliant
- SF/UTP-CAT6-4P-PVC+PE-AM40
- PE jacket material
- Reliable performance
- IEC 61156-5, EN 50288-6-1
- Super-standard performance margin
- Compliant to ISO/IEC 11801 Ed 2.2, ANSI/TIA- 568-C.2, EN 50173-1

Description

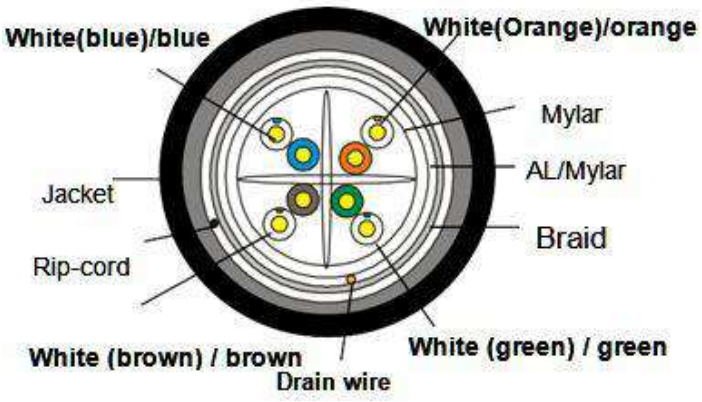
SF/UTP-CAT6-4P-PVC+PE-AM40 have been designed for outdoor applications and are suitable for outdoor duct installations. The cable supports 1G Ethernet networking, fully supporting the more demanding office communications including voice, data, VoIP, Video Conferencing, Security, IP based cameras and other demanding real time applications.

The cable covers the category 6 requirements for Shielded foil twisted pair cables of 100 Ω and is characterized up to 250 MHz suitable for transmitting data over local area networks (LANs). The Conductor material is SOLID-Bare Copper. The insulation material is HDPE with dia of 1.12±0.05 mm.

Inner Screening Material is of Mylar+AL/Mylar and has drain wire. The Outer Screening Material is of Aluminum-magnesium Alloy 0.12mm with Coverage ≥40%. The Inner Sheath is PVC with thickness of 0.60±0.1 mm and external O.D of 9.1±0.5 mm, the material is LDPE (complies RoHS) and the colour is black.

Applications

- Outdoor Cabling
- 4/16 Mbps Token Ring (IEEE 802.5)
- 10/100/1000 BASE-T (IEEE 802.3)
- 155 Mbps 1.2G ATM
- 100 Mbps TP-PMD
- Analogue Voice, ISDN, ADSL
- HVAC alarm systems and other signaling



Standards

- ANSI/TIA-568-C.2, ANSI/TIA-568.2-D
- ISO/IEC 11801:2011 (Ed 2.2) Class E
- IEC 61156-5
- CENELEC EN 50173-1:2011
- EN50288-6-1

Environmental Data

Temperature range	Value
Operation	-20˚C to +75˚C

Technical Data

Electrical Data

Frequency (MHZ)	RL (≥dB)	ATT 20˚C (≤dB)	NEXT (≥dB)	PHASE DELAY ns	Frequency (MHz)	PS NEXT (≥dB	ELFEXT (≥dB)	PSELFEXT (≥dB)
1	20.0		—		1	72.3	67.8	64.8
4.0	23.0	3.78	65.3	552.00	4	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	8	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	10	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	16	54.2	43.7	40.7
20.0	25.0	8.47	54.8	542.05	20	52.8	41.8	38.8
25.0	24.3	9.51	53.3	541.20	25	51.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	31.25	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	62.5	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	100	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	200	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	250	36.3	19.8	16.8

Electrical characteristics	Value
DC resistance max	9.38 Ohm/100m
DC resistance unbalance	Max 5%
Mutual capacitance	Max 5.6 nF/100m
Capacitance unbalance pair	Max 330pF/100m
Impedance 1-250 MHz	100 ± 15Ω
Propagation delay	Max. 536 ns/100m @ 250 MHz
Dielectric strength	DC KV/sec. 2.5/2
Propagation delay skew	Max 45 ns/100m
Insulation resistance - MΩ/km	Min.5000
Nominal velocity of propagation	69%

Ordering Information

Part No.	Description
ANC6SFPBK23-305MT-PE	Cat 6 (SFTP), 4 Pairs, Solid PE, Outdoor Cable, 305m, Black Colour