

Copper Structured Cabling Solutions

Category 6A Cable

Category 6A (4 Pair) S/FTP Outdoor Cable

Global **SIX**



Specifications

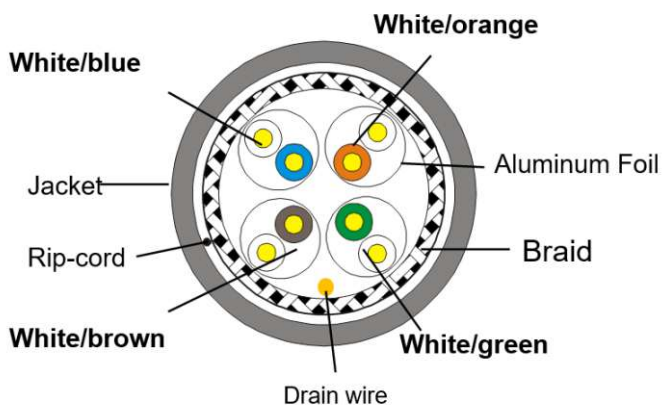
Test Standard	ISO/IEC 11801, ANSI/TIA-568-C.2, IEC60754-1, IEC60754-2
Conductor - Material	SOLID-Bare Copper
Conductor - Dimension	23AWG (0.560mm)
Insulation - Material	Skin-foam-skin PE
Insulation - Diameter	1.330 ± 0.05 mm
Inner - Shield - Material	Aluminum-Mylar
Outer - Shield - Material	Tinned Copper 0.10mm
Sheath - Material	LSZH (complies RoHS), UV Resistant (IEC60332-3C)
Category	S/FTP-CAT6A-4P-LSZH UV-TC30 (IEC60332-3C)
UV Resistance	UL-1581 300h
External - O.D	7.6 ± 0.5 mm

Applications

- Cat6A S/FTP Outdoor Copper Cable is a component of the GlobalSIX Structured Cabling System. This end-to-end system which is interoperable and backwards-compatible is designed with flexibility to protect network investments well into the future. Will reliably and securely meet required data transmission needs,
- ISO 11801 Class E_A, ANSI/TIA-568-C.2 Cat6A Standards is ideal for today's high performance equipment and workstations
- Ethernet 10BASE-T, 100BASE-T(Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10GBASE-T (10 Gigabit Ethernet over limited distance as specified in the industry standards of 10GBASE-T)
- 155Mb/s ATM, 622Mb/s ATM, 1.2Gb/s ATM
- Token Ring 4/16

Third Party Tested - Compliance Statement

- Unscreened Channel, Class E_A
- Class E_A Channel Requirements ISO/IEC 11801-1:2017(Ed. 1,0) / ISO/IEC 11801-2:2017(Ed. 1,0) EN 50575:2014 / EN 60332-1-2:2004, including amendment A1:2015, A1:2016 and A11:2016 EN 13501-6:2014



Part Number

G6-SFTP-C6A-E-Y*

Cat6A S/FTP Solid Outdoor Cable

E - Jacket/Sheath: LSZH UV Resistant

Y - Color: 1=BLUE, 2=GREY, 3=WHITE, 4=GREEN, 5=YELLOW, 6=PURPLE, 7=RED, 8=PINK, 9=ORANGE, 10=BLACK

* - Reel Length: 3=305m, 5=500m

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Sheath Physical Properties

- Before Aging: Tensile Strength (Mpa) $\geq 9,0$
Elongation (%) ≥ 100
- After Aging: Tensile Strength (Mpa) $\geq 8,0$
Elongation (%) ≥ 70
- Flame rating: IEC60332-3-24
- Smoke Density: IEC 61034-2
- PH & conductivity: IEC60754-1, IEC 60754-2
- UV resistance: UL1581 300h

Electrical Characteristics 20° C

- Delay Skew (ns/100m) ≤ 45
- Velocity of Propagation (%) 76
- Impedance (Ω) 1.0-250.0MHz: 100 ± 15
250.0-500.0MHz: 100 ± 22
- Unbalanced-to-ground capacitance (pf/100) max 330
- DC Resistance ($\Omega/100m$) max 9.38
- DC Conductor Resistance Unbalance (%) max 5.0

Technical Performance 100m:

FREQUENCY Mhz	RL db	ATT db	NEXT db	PHASE DELAY ns
1.0	20.0	—	74.3	570.0
4.0	23.0	3.8	65.3	552.0
8.0	24.5	5.3	60.8	546.7
10.0	25.0	5.9	59.3	545.4
16.0	25.0	7.5	56.2	543.0
20.0	25.0	8.4	54.8	542.1
25.0	24.3	9.4	53.3	541.2
31.25	23.6	10.5	51.9	540.4
62.5	21.5	15.0	47.4	538.6
100	20.1	19.1	44.3	537.6
200	18.0	27.6	39.8	536.5
250	17.3	31.1	38.3	536.3
300	16.8	34.3	37.1	536.1
500	15.2	45.3	33.8	535.6

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