

Copper Structured Cabling Solutions

Category 7 Cable

Category 7A (4 Pair) S/FTP Cable

Global **SIX**



Sheath Physical Properties

- Before Aging: Tensile Strength (Mpa) $\geq 10,0$
Elongation (%) ≥ 125
- After Aging: Tensile Strength (Mpa) $\geq 8,0$
Elongation (%) ≥ 100

Electrical Characteristics 20° C

- Delay Skew (ns/100m) ≤ 25
- Velocity of Propagation (%) 74
- Unbalanced-to-ground capacitance (pf/100) max 330
- DC Resistance (Ω /100m) max 9.38
- DC Conductor Resistance Unbalance (%) max 2.0
- Impedance(Ω) : (1-100MHz) $100 \pm 15\Omega$
(100-250MHz) $100 \pm 18\Omega$
(250-1000MHz) $100 \pm 25\Omega$

Packaging Information

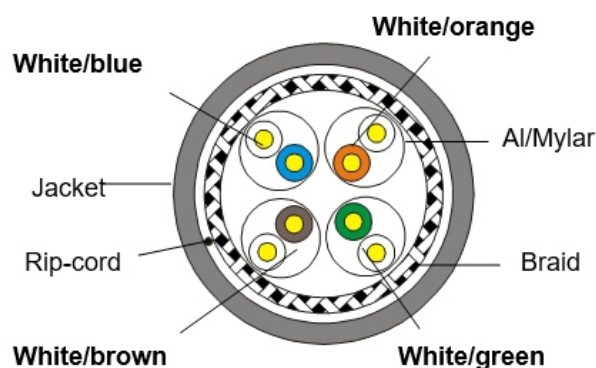
- Packaging : Drum
- Packaging Length: 305m

Specifications

Test Standard	ISO/IEC 61156-5;EN 50288-4
Conductor - Material	SOLID-Bare Copper
Conductor - Dimension	23AWG (0.580mm)
Insulation - Material	Skin-foam-skin PE
Insulation - Diameter	1.350 \pm 0.05mm
Inner - Shield - Material	Aluminum-Mylar
Outer - Shield - Material	Tinned Copper 0,10mm
Jacket	LSZH (Complies RoHS)
External - O.D	7.8 \pm 0.5mm

Technical Performance 100m:

FREQUENCY Mhz	RL \geq db	ATT \leq db	NEXT \geq db	PHASE DELAY sns
1.0	20.0	0.0	78.0	570.0
4.0	23.0	3.74	78.0	552.0
8.0	24.5	5.24	78.0	546.7
10.0	25.0	5.86	78.0	545.4
16.0	25.0	7.41	78.0	543.0
20.0	25.0	8.29	78.0	542.0
25.0	24.3	9.29	78.0	541.2
31.25	23.6	10.41	78.0	540.4
62.5	21.5	14.88	75.5	538.6
100	20.1	19.02	72.4	537.6
200	18.0	27.47	67.9	536.5
250	17.3	30.97	66.4	536.3
300	17.3	34.19	65.2	536.1
600	17.3	50.10	60.7	535.5
700	14.2	54.63	59.7	535.4
1000	13.1	66.93	57.3	535.1



Part Number

G6-SFTP-C7A-LSZH-GY Category 7A (4 pair) S/FTP LSZH cable
Available in other colours on request