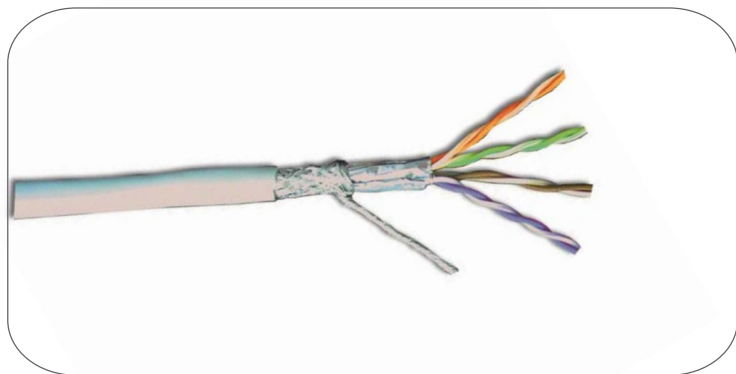


Cat.5e 4 Pair S/FTP Solid Cable



Standards

- ISO/IEC11801 2nd edition
- ANSI/TIA/EIA Cabling Standard 568-C.2
- CENELEC EN 50173

Applications

- Voice; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100BASE-T Ethernet (IEEE802.3)
- 155/622Mbps 1.2/2.4 Gbps ATM
- 1000Mbps Gigabit Ethernet
- 550MHz Broadband Video

Transmission Performance

Frequency (MHz)	Atten. dB/100m	NEXT dB	PSNEXT dB	ELFEXT dB	PSELFEXT dB	Return Loss dB	Propagation Delay ns
1	2.6	65.3	62.3	63.8	60.8	20.2	570.00
4	4.7	56.3	53.3	51.7	48.7	23.0	543.00
8	6.4	51.8	48.8	45.7	42.7	24.5	538.50
10	7.0	50.3	47.3	43.8	40.8	25.0	537.60
16	8.7	47.3	44.3	39.7	36.7	25.0	536.25
20	9.6	45.8	42.8	37.7	34.7	25.0	535.80
25	10.6	44.3	41.3	35.8	32.8	24.3	535.44
31.25	11.7	42.9	39.9	33.9	30.9	23.6	535.15
62.5	17.0	38.4	35.4	27.8	24.8	21.5	534.38
100	22.0	35.3	32.3	23.8	20.8	20.1	534.36

Cable Structure

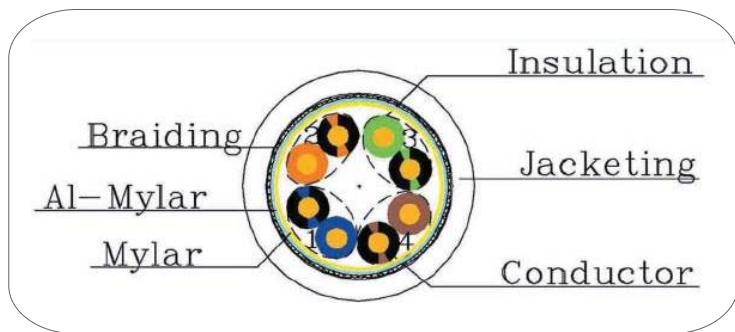
- Twisted pair color code:
 - Pair 1> blue, white/blue ring.
 - Pair 2> orange, white/orange ring
 - Pair 3> green, white/green ring
 - Pair 4> brown, white/brown ring
- Conductor: 24AWG solid anneal copper wire
- Insulation material: Polyethylene
- Diameter of dielectric core: 1.02±0.05mm
- Number of twist pairs: 4 pairs
- Individual Shielding:
 - Mylar film as a layer of buffer
 - Aluminum-foil-laminated shield.
 - Tinned copper wire braid shield with nom. 60%
 - One 24AWG drain wire put between Aluminum-foil-laminated and Braiding layer.
- Assembly: 4 pairs of dielectric core shall be stranded in circular form.
- Material of jacket: PVC, or LSZH.
- Overall Diameter: Ave. 6.5±0.2mm
- Color: Gray

Physical Characteristics

- Jacket elongation: min 100%
- Jacket tensile strength: PVC>>min 1500psi, LSZH>>min 1200psi
- After aging jacket tensile strength: PVC>>70% of before aging. LSZH>>75% of before aging.
- After aging jacket elongation: PVC>>65% of before aging. LSZH>>75% of before aging

Electrical Characteristics

- Capacitance: Max. 5.6nf/100m
- Capacitances unbalance pair to ground: max. 160pf/100m at 1 kHz
- DC resistance of conductor: max. 9.38Ω/100m at 20°C
- DC resistance unbalance of conductor: max. 2% at 20°C
- Insulation resistance: min. 5000MΩ/Km at 20°C
- Velocity of propagation: nom. 66%
- Rated temperature: 60/75°C
- Rated voltage: 30V
- Dielectric test: min. 1 kV / 1 minute, without any breakdown.
- Delay skew: 45ns



Ordering Information

Part No.	Description	Jacket	Std Pkg Qty
1105-03001	Cat.5e.4P.SF/UTP.24AWG Solid Cable	PVC / LSZH	305m/box

Note Specifications are subject to change without any notice or obligation on the part of the manufacturer.