

Category 5E - SFTP

SPECIFICATION

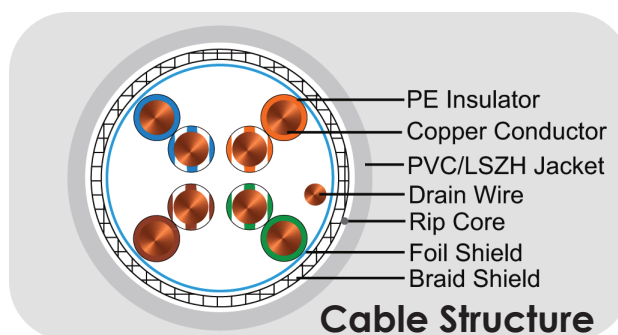
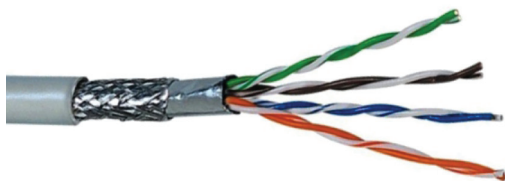
- Braid+Foil-shielded Twisted Pair (SFTP) Cable
- Conductor: Solid Bare Copper
- Sheath Color: Customizable
- Core Color:
 - Blue/Strip-Blue Orange/Strip-Orange
 - Green/Strip-Green Brown/Strip-Brown
- Conductor Diameter: 0.51mm Nominal(24 AWG)
- Drain Wire: 26 AWG
- Insulation Material: HDPE
- Insulation Diameter: 1.0mm Nominal
- Jacket Material: PVC/LSZH
- Cable Diameter: 7.2mm Nominal
- Weight: Approx. 65kg/km

PERFORMANCE

- Maximal operating frequency: 100Mhz
- Characteristic impedance: 100±15 ohms
- Nominal Velocity of Propagation: 69%
- P2Ground Capacity Unbalance: 330PF/100m(max.)
- Conductor DC Resistance at 20°C: < 93.8ohms/km
- Mutual Capacitance: < 5.6nF/100m
- Resistance Unbalance: 5% (max.)
- Delay Skew: < 45nS
- Minimum Bend Radius - Installed: 29mm
- During Installation (under Tension): 58mm
- Cold Bend(-20± 2°C x 4hrs): No Visible Crack
- Temperature Range: -20° to +70°C

COMPLIANCES

- ▶ ISO/IEC 11801
- ▶ IEC 61156-5
- ▶ EN 50173-1
- ▶ EN 50288-4-1
- ▶ ANSI/TIA-568-C.2
- ▶ YD/T 1019



TYPICAL CABLE PERFORMANCE

Frequency (MHz)	Attenuation (dB/100m)	Return Loss (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	ACR (dB)	DELAY (ns/100m)
0.772	1.8	19.4	67.0	64.0	66.0	63.0	65.0	575.0
1.0	2.0	20.0	65.3	62.3	63.8	60.8	63.0	570.0
4.0	4.1	21.0	56.3	53.3	51.7	48.8	52.0	552.0
8.0	5.8	24.5	51.8	48.8	45.7	42.7	46.0	546.7
10.0	6.5	25.0	50.3	47.3	43.8	40.8	44.0	545.4
16.0	8.2	25.0	47.3	44.3	39.7	36.7	39.0	543.0
20.0	9.3	25.0	45.8	42.8	37.7	34.7	37.0	542.0
25.0	10.4	24.3	44.3	41.3	35.8	32.8	34.0	541.2
31.3	11.7	23.6	42.9	39.9	33.9	30.9	31.0	540.4
62.5	17.0	21.5	38.4	35.4	27.9	24.8	21.0	538.6
100.0	22.0	20.1	36.3	32.3	23.8	20.8	13.0	537.6

Ordering Information

Gray
001-SFTP-05E-001