



- 1 – Jacket
- 2 – Shield-foil
- 3 – Drain wire
- 4 – Protective skin
- 5 – Twisted pair
- 6 – Messenger

SPECIFICATIONS

- Meets ANSI/EIA/TIA 568-B.2 requirements
- Fire protection – CMX
- The cable meets UL 444 UL 1581 fire safety standard

DESCRIPTION

Shielded Copper cable, 4 pairs, category 5e, solid, with messenger Cable is used for outdoor installation

MATERIALS

- Conductive material: wire made of soft annealed electrolytic copper
- Conductor insulation: HDPE
- The cable jacket: black PE
- An aluminum tape shield is helically applied over the cable cor with a minimum overlap of 25% or 5 mm (0.19”), thickness – 0.025 mm (0.001”), width – 20 mm (0.78”)
- Messenger: galvanized steel wire

TECHNICAL CHARACTERISTICS

- Conductor diameter: 0.51 mm (0.02”) (24 AWG)
- Insulated conductor diameter: 0.035” ± 0.001” (0.9 ± 0.02 mm)
- Outer cable diameter: 0.28” ± 0.008” (7 ± 0.2 mm)
- Jacket thickness: 0.65 mm (0.025”)
- Messenger diameter: 0.049” ± 0.004” (1.25 ± 0.1 mm)
- Minimum bend radius: 4 outer cable diameters
- Conductor elongation: 14% minimum
- Operating temperature: -40°C – +50°C (-40°F – +122°F)
- Weight per 1000 ft (304.8 m): 27.7 kg (61.1 lbs)
- Standard package: 305m (1000ft)
- Rip cord has a breaking strength of 22 lbs (98 N)

ELECTRICAL CHARACTERISTICS

Freq MHz	RL, dB	Attenuation dB/100m 20°C	NEXT dB	PSDNEXT, dB	ELFEXT dB	PS ELFEXT dB
0.772	-	1.8	67.0	64.0	-	-
1.0	20.0	2.0	65.3	62.3	63.8	60.8
4.0	23.0	4.0	56.3	53.3	51.7	48.7
8.0	24.5	5.8	51.8	48.8	45.7	42.7
10.0	25.0	6.5	50.3	47.3	43.8	40.8
16.0	25.0	8.2	47.3	44.3	39.7	36.7
20.0	25.0	9.3	45.8	42.8	37.7	34.7
25.0	24.3	10.4	44.3	41.3	35.8	32.8
31.25	23.6	11.7	42.9	39.9	33.9	30.9
62.5	17.0	17.0	38.4	35.4	27.8	24.8
100.0	22.0	22.0	35.3	32.3	23.8	20.8

DC Resistance Unbalance	5%
Pair-to-Ground Capacitance Unbalance	330 pF/100 m (101 pF/100 ft)
Impedance 0.772-100 MHz	85-115 Ohm
Mutual Capacitance	5.6 nF/m (1.7 nF/ft)
Spark Test	2.5 kV

ORDERING

Part Number	Product Description
FTP4-C5E-SOLID-SW-OUTDOOR-40	Shielded twisted pair cable (FTP), 4 pairs, solid, outdoor, with messenger, category 5e