



#### Specification:

Conforms to TIA/EIA-568-B.2 standards  
Fire class CMX

#### Description:

Shielded copper cable, 2 pairs, category 5, solid  
Shield - aluminum foil  
Cable suitable for outdoor use

#### Materials:

Conductor material: soft annealed electrolytic copper wire  
Core insulation: high-density polyethylene  
Outer sheath: black UV-resistant polyethylene  
Screen made of aluminum tape, helically wound with an overlap of 25% or 5 mm

#### Specifications:

Conductor (strand) diameter: 0.51 mm (24 AWG)  
Sheath conductor diameter:  $0.9 \pm 0.02$  mm  
Cable outer diameter (size):  $5.1 \pm 0.2$  mm  
Outer sheath thickness: 0.65 mm  
Minimum bending radius: 4 cable outer diameters  
Core extension: at least 14 %  
Breaking force of rip cord: 10 kg  
Drain wire diameter: 0.5 mm  
Operating temperature: -40°C to +60°C  
Weight per 1 km of cable: 25.4 kg  
Standard package: 500 m

**Electrical characteristics:**

Frequency, MHz	RL	Attenuation, dB	NEXT dB	PSNEXT dB	ELFEXT dB	PSELFEXT 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	21.5	17.0	38.4	35.4	27.8	24.8
100.0	20.1	22.0	35.3	32.3	23.8	20.8

Conductor resistance at 20°C	9.38 ohm/100m
Resistance imbalance	5%
Capacitive unbalance at 1 kHz	330pF/100m
Resistance at a frequency of 0.772 - 100 MHz	85-115 ohm
Maximum working capacity	5.6 nF/m
Spark test	2.5 kV

**Ordering**

FTP2-C5E-SOLID-OUTDOOR – 40	Cable Cat 5e FTP 2 Pairs Solid Outdoor Shielded 500m
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