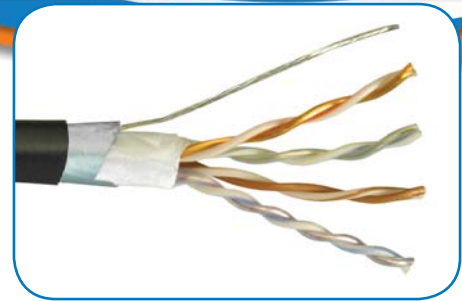


C5EF

Cat 5e, Shielded

Description

Category 5e Cable - Shielded
 Solid Conductors - Non-Plenum



Construction

Conductor

Material: 24 AWG Bare Solid Copper

Insulation

Material: PE
 Diameter: 0.039 in. Nominal

Pairing

2 Insulated Conductors twisted together with varied lay lengths.

Color Code

Pair#1: Blue and White/Blue
 Pair#2: Orange and White/Orange
 Pair#3: Green and White/Green
 Pair#4: Brown and White/Brown

Shield

Foam Tape Overlap 25% Min
 Foil/Mylar, Overlap 25% Min
 Drain: 24 AWG Tinned Stranded Copper

Rip Cord

Nylon

Jacket

Material: PVC
 Colors: C5EF-BLK (Black), C5EF-BLU (Blue)

Overall Diameter:

0.256 in. +/- (6.5mm)

Approximate Weight

32 lbs.

Electrical Characteristics

Max. Conductor DC Resistance:	28.6 ohms/1000ft
DC Resistance Unbalance:	< = 5%
Mutual Capacitance:	14 pF/ft
Pair-to-Ground Capacitance Unbalance:	330 pF/100m
Impedance:	100±15 ohm
Max. Delay Skew:	45 ns/100m
Velocity of Propagation:	70%

UL Listing

Type CMR as Specified in Article 800 of the National Electric Code.

Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
MHz	dB	dB	dB(100m)	dB	dB	dB	dB
	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	65.3	62.3	63.8	60.8
4	23.0	20.3	4.0	56.3	53.3	51.7	48.7
8	23.0	25.5	5.7	51.8	48.8	45.7	42.7
10	23.0	25.0	6.4	50.3	47.3	43.8	40.8
16	23.0	25.0	8.2	47.3	44.3	39.7	36.7
20	23.0	25.0	9.2	45.8	42.8	37.7	34.7
25	22.0	25.0	10.4	44.3	41.3	35.8	32.8
31.25	21.1	23.6	11.7	42.9	39.9	33.9	30.9
62.5	18.1	21.5	16.9	38.4	35.4	27.8	24.8
100	16.0	20.1	21.9	35.3	32.3	23.8	20.8
250	12.0	17.3	36.8	34.3	32.3	15.8	12.8
300	11.2	16.8	40.9	33.2	31.2	14.2	11.2
350	10.6	16.3	44.8	32.2	30.2	12.9	9.9