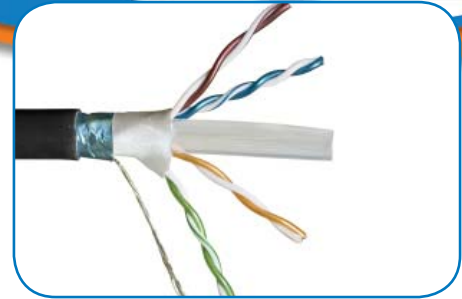


# C6F

## Cat 6, Shielded

### Description

Category 6 Cable - Shielded  
 Solid Conductors - Non-Plenum



### Construction

#### Conductor

Material: 23 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: C6F-BLK (Black), C6F-BLU (Blue)

#### Overall Diameter:

.287 in. +/- (.7.3mm)

#### Approximate Weight

43 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 MHz	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB Minimum	dB(100m) Maximum	dB Minimum	dB Minimum	dB Minimum	dB Minimum
1	20.0	2.0	80.3	78.3	73.8	70.8
4	23.0	3.8	71.3	69.3	61.8	58.8
10	25.0	6.0	65.3	63.3	53.8	50.8
16	25.0	7.6	62.2	60.2	49.7	46.7
20	25.0	8.5	60.8	58.8	47.8	44.8
31.25	23.6	10.7	57.9	55.9	43.9	40.9
62.5	21.5	15.4	53.4	51.4	37.9	34.9
100	20.1	19.8	50.3	48.3	33.8	30.8
200	18.0	29.0	45.8	43.8	27.8	24.8
250	17.3	32.8	44.3	42.3	25.8	22.8
300	16.8	36.4	43.1	41.1	24.3	21.3
350	16.3	39.8	42.1	40.1	22.9	19.9
400	15.9	43.0	41.3	39.3	21.8	18.8
500	14.8	49.5	40.2	38.2	20.0	17.0
550	14.4	53.1	39.5	37.5	18.9	15.9