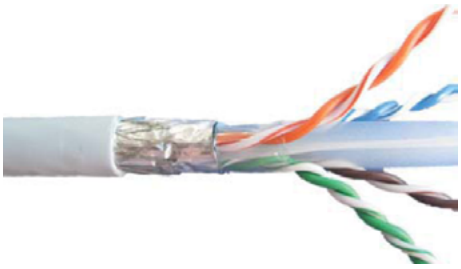
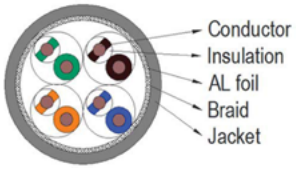
Cable Cat6 - MCB6SF-01MBK

Cat6 23AWG SF/UTP 4Pair Solid Cable- Outdoor UV CMX- Black Color





High Frequency Performance	Category	Category 6, CLASS E
	Standard Compliance	IEC61156-5, EN50288-6-1, ANSI/TIA568C.2, ISO/IEC11801
Flame Retardant Standard	Standard Compliance	UL444 CMX Outdoor
Environmental Compliance	RoHS	
Length, Packing	1000 feets / Reel on the box	

Marking on Sheath	CMX OUTDOOR PVC	CABLIX SF/UTP W/CROSS CAT6 OUTDOOR 23AWG 4PR CMX UV CONFORM TO ANSI/TIA 568C.2 ISO/IEC 11801 & EN50288 & IEC60332-1 MCB6SF-01XBK XXXXM
	Customization Available	

Conductor	Material	Bare Copper
	Structure	23AWG, 0.551 +- 0.005 mm
Insulation	Material	HDPE
	Structure	1.140mm
Foil Screen	Material	Aluminum/ PET
	Thickness	50/15 microns
Braid	Material	Copper Clad with Steel
	Structure	0.1mm x 4 x 16
Rip Cord	N/A	
Drain Wire	Material	N/A
	Structure	N/A
Sheath	Material	PVC or LSOH
	Thickness	0.51mm
	OD	7.3 +- 0.2mm

Pulling Tension	100N		
Bending Radius (wo Load)	Min. 8 X Cable Diameter		
Temperature Range	Installation Temperature	0 to 50C	
	Storage Temperature	-20 to 70C (under static conditions)	
	Operation Temperature	-20 to 60C (under static conditions)	
Conductor Resistence @20C	Max. 7.32 Ohms/100mts	Resistance Unbalance @20C	Within a pair: 5% Max
Dialectric Strength	1kV DC 0r 0.7kV AC for 60 secs		Between pairs: 4% Max
Mutual Capacitance	5.6nF/100m @ 1KHz	Insulation Resistence @20C, Test Voltage 100V - 500VDC	Min. 5000 Mohms.m
Coupling Attenuation (<1GHz)	Min.55dB @100 MHz	Max. Capacitance Unbalance (Pair to Ground @20C)	330 pF / km @ 1KHz
Mean Characterist Impedance	100 Ohms +- 5 Ohms@ 100MHz		
Max.Delay Skew @ 20C	45 Nsec/ 100m @100 MHz	Nominal Velocity Propagation	70%

TRANSMISSION CHARACTERISTICS

FREQ	Attenuation	RL	NEXT	PS-NEXT	ACRF	PSACRF	TLC	Prop.Delay
MHz	(max.dB/100m)	(min.dB at 20C)	(min.dB)	(min.dB)	(min.dB)	(min.dB)	(min.dB)	(max.ns)
1*	2.1	20.0	75.3	72.3	68.0	65.0	40	570
4*	3.8	23.0	66.3	63.3	56.0	53.0	40	552
8	5.4	24.5	61.8	58.8	49.9	50.4	40	547
10	6.0	25.0	60.3	57.3	48.0	45.0	40	545
16	7.6	25.0	57.2	54.2	43.9	40.9	38	543
20	8.5	25.0	55.8	52.8	42.0	39.0	37	542
25	9.6	24.3	54.3	51.3	40.0	45.4	36	541
31.25	10.7	23.6	52.9	49.9	38.1	35.1	35	540
62.5	15.5	21.5	48.4	45.4	32.1	29.1	32	539
100	19.9	20.1	45.3	42.3	28.0	25.0	30	538
200	29.1	18.0	40.8	37.8	22.0	19.0	27	537
250	33.0	17.3	39.3	36.3	20.0	17.0	26	536

All Performance based on 100 meters at 20C | The asterisked(*) frequency performance value are assumed to be met by desing.