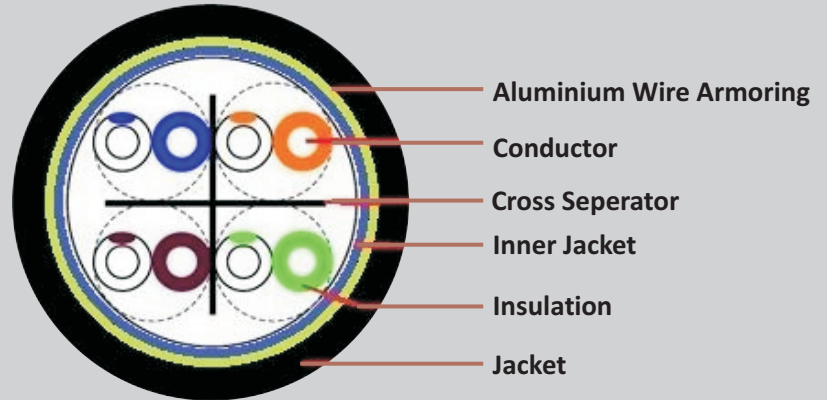


APPLICATION

Enhanced performance cable for transmission of high speed data signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard. Operates at bandwidth of 250 MHz. Cable will be compliant to TIA/EIA-568-C.2 channel performance up to 70 meter



CONSTRUCTION

Conductor:	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter:	23 AWG
Insulation:	Polyethylene
Rip Cord:	Yes
Inner Jacket:	PVC - GREY
Thickness of Inner Jacket:	0.65 to 0.70mm
Armouring:	Aluminium Wire
Size of Wire:	0.80mm
Sequential Marking:	At Every Meter
Temperature Rating:	-20° to + 60°c
Outer Jacket:	FR PVC - Black
Thickness of Outer Jacket:	0.85mm (Nom.)
Colour of Jacket :	Black
Approximate OD:	9.50 mm
Filler:	HDPE

◆ **ELECTRICAL PROPERTIES**

Conductor Resistance (DC):	93.5 Ω/1000 mtr @20°c Max
Resistance Unbalance:	5% Max
Mutual Capacitance:	5.6 nf/100 mtr Max
Capacitance Unbalance Pair/Ground :	330PF/100M Max
Propagation Delay Skew:	536 nS/100M
Worst Case cable skew :	45ns/100m
NVP:	69%
Impedance:	100± 15% Ω

◆ **COLOR CODE**

PAIR NO	COLOR
1-2	Orange-White with Orange
7-8	Brown-White with Brown
4-5	Blue-White with Blue
3-6	Green-White with Green

◆ **TRANSMISSION CHARACTERISTICS 70mts CHANNEL**

FREQ (MHz)	ATTN (dB) max.	NEXT (dB) min.	PSNEXT (dB) min.	ACRF (dB) min.	PSACRF (dB) min	RETURN LOSS (dB)
1	2.1	65	62	63	60.3	19
4	4	63	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.6	54	43.3	40.3	19
16	8	53.2	50.6	39.2	36.2	18
20	9	51.6	49	37.2	34.2	17.5
25	10.1	50	47.3	35.3	32.3	17
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14
100	21.3	39.9	37.1	23.3	20.3	12
200	31.5	34.8	31.9	17.2	14.2	9
250	35.9	33.1	30.2	15.3	12.3	8

◆ **ORDERING INFORMATION**

Part Code	Description
NCB-C6UBLKR-305-A	CAT6 23AWG Twisted Pair Armored Cable with FR PVC Outer Jacket-305M