

for UTP CAT6 CMR 23AWG CABLE

Configuration & physical Characters:

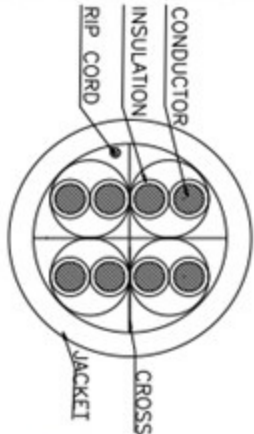
Type of cable	UTP
Length per reel	1000ft
Number of pairs	4
Field of application	indoor
Category	Cat.6
Flame Rating:	
Material	Bare Copper
Size	23AWG
Material	POLYOLEFIN
Thickness	MIN at any point: 0.18mm MAX AVG: 0.22mm
Diameter	0.94± 0.01mm; 0.96± 0.01mm; 0.98± 0.01mm; 1.00± 0.01mm
Color code	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
Elongation	MIN 300%
Tensile strength	MIN 1.682K $\frac{g}{mm^2}$
FILLER	CROSS SLOT 4.8x0.45mm Material CMR PVC
Thickness	MIN at any point: 0.56mm MAX AVG: 0.58mm
Diameter	6.0±0.2mm
Colors	per request
Jacket	MIN ELONGATION RETENTION:50% MIN TENSILE STRENGTH RETENTION:75% Aging at 100°C for 168Hrs
DIMENSIONS ARE IN mm	
TOLERANCES ARE	
FRACTIONS DECIMALS ANGLES	
MOLD NO.	X±0.20 .XX±0.12

Electric Characters:

1. Spark Test	2000±250VOC
2. Mutual Capacitance	560pF/100m Max
3. Conductor Resistance	MAX 9.38 Ω /100m at 20°C
4. Capacitance Unbalance	MAX 330pF/100m
5. Resistance Unbalance	MAX 5%
6. Impedance	100±15 Ω

Premise Cable Electrical Table(TIA Cat 6 Perm.Link)

Freq (Mhz)	Insert loss(dB)	NEXT (dB)	RL (dB)	RCA-N(dB)	ACR-F (dB)	PSNEX T(dB)	PSACR N (dB)	PSAC Rf(dB)
1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2
4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1
8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1
10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2
16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1
20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2
25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2
31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3
62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3
100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2
200								
250								



DRAWN	DATE	APPROVED	DATE
SHEET OF	A	SCALE	N.T.S
SIZE	A4		

Standard:	ISO/IEC 11801; ANSI/TIA-568-C.2; UL 444
Test : Perm.Link test by Duke 90+/-5m	
Editor	OR
REV.	PN:
A	DESCRIPTION
	UTP CAT6 CMR 23AWG CABLE