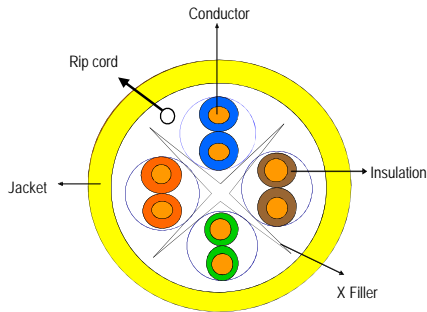
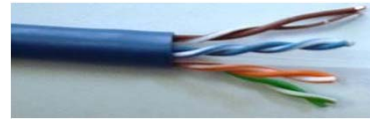


## 4PAIR 23AWG CAT 6E 600MHz. CMR UTP CABLE

### Cross Section



### Part No.: 6CMR234xx



### Construction

Conductor	Solid Bare Copper
AWG	23
Conductor Dia.(mm)	0.540
Insulation	HDPE
Average Thickness(mm)	0.25
Min.Point Thickness(mm)	0.17
Insulation Dia.(±0.02mm)	1
Twisting Lay Length(mm)	30underneath
Cabling Lay Length(±20mm)	140
Jacket	FR-PVC
Average Thickness(mm)	0.5
Min.Point Thickness(mm)	0.43
Outer Dia.(±0.2mm)	6.0
Rip Cord	Yes

### Description

Category 6, 4 pair, 23awg, UTP, CMR, Horizontal (Solid) Cable  
Reference Standard  
ANSI/EIA/TIA 568-C.2 with applicable electrical transmission characteristics

### Application

High Speed Data Application	Digital Video
622 Mbps ATM	Gigabit Ethernet
100 Mbps TPDDI	IEEE802.3 / IEEE802.5
100 Base T	

### Jacket Colors

Standard:	Blue, White, Green, Yellow, Gray, Black, Orange, Red, Purple
Special:	Per customer request

### Insulation Colors

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

### Performance

#### Electrical Characteristics:

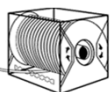
Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	ACR (db)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
0.772	1.8	76.0	74.2	74.0	-	-
1	2.0	74.3	72.3	72.3	67.8	64.8
4	3.8	65.3	61.5	63.3	55.7	52.7
8	5.4	60.8	55.4	58.8	49.7	46.7
10	6.0	59.3	53.3	57.3	47.8	44.8
16	7.7	56.3	48.6	54.3	43.7	40.7
20	8.6	54.8	46.2	52.8	41.7	38.7
25	9.6	53.3	43.7	51.3	39.8	36.8
31.25	10.8	51.9	41.1	49.9	37.9	34.9
62.5	15.7	47.4	31.7	45.4	31.8	28.8
100	20.2	44.3	24.1	42.3	27.8	24.8
200	29.8	39.8	10.0	37.8	21.7	18.7
250	33.8	38.3	4.6	36.3	19.8	16.8
300	36.4	37.1	0.7	35.1	-	-
350	39.8	36.1	-	34.1	-	-
400	43.0	35.3	-	33.3	-	-
500	48.9	33.8	-	31.8	-	-
550	51.8	33.2	-	31.2	-	-

1.0-100.0MH impedance(ohms)	100±15
1.0-100.0MH Delay Skew(ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance(Pf/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	9.38
Resistance Unbalance(%)	<=5

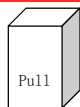
#### Mechanical Characteristics:

Test Object	Jacket
Test Material	FR-PVC
Before Tensile Strength(Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition(°Cxhrs)	100x240
After Tensile Strength (Mpa)	>=85% of unaged
After Elongation (%)	>=50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack

### Standard Packaging



Spool in a Box  
Weight: 34 lbs



Pull Box  
Weight: 32 lbs.

\*All values in this specification are nominal and are subjective to tolerances of +/- 10 to 15%.

It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.