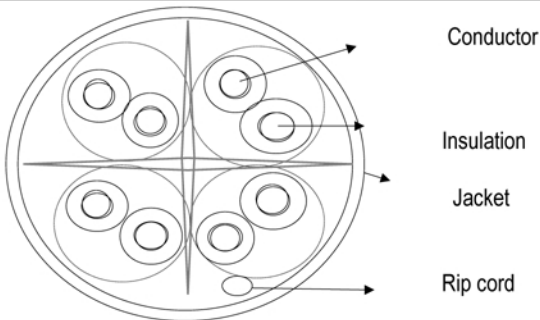


# MileTek®

4PAIR 23AWG CAT 6 550MHz. CMR UTP CABLE#:

## Cross Section



Part# 30 60013 xx / 30 60113 xx



## Construction

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

## Marking

(UL) C(UL) E# CMR 75C 23AWG 4PR UTP ETL VERIFIED CAT 6 TESTED TO 550MHz TIA/EIA-568-B.2 COMMODITY CABLES 6CMR234SBx 1000FT MO/YR

## Description

Rated Temperature( )	75
Product Rating	UL
Flammability Test	CMR
Voltage Rating	300V

**Application**  
High Speed Horizontal Cabling, 100 Mbps TPDDI, 100 Base T, 622 Mbps ATM, IEEE802.3/IEEE802.5, Digital Video,Gigabit Ethernet , etc.

### Reference Standard

ANSI/EIA/TIA 568B & ISO/IEC11801  
UL subject 444 & 1666

## Colors

<b>Insulation colors:</b>	Blue, White/Blue Orange, White/Orange Green, White/Green Brown, White/Brown
<b>Jacket colors:</b>	Standard Blue, White, Green, Yellow, Gray & Black Special Per customer request

## 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

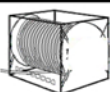
Max. Conductor DC Resistance 20 (ohms/km) 9.38

Resistance Unbalance(%) <=5

### Mechanical Characteristics:

<b>Test Object</b>	<b>Jacket</b>
Test Material	FR-PVC
Before Tensile Strength(Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition( xhrs)	100x240
After Tensile Strength (Mpa)	>=85% of unaged
After Elongation (%)	>=50% of unaged
Cold Bend(-20±2 x4hrs)	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%.

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