



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 97272  
**DESCRIPTION:** 23 AWG /4 Pair Category 6 CMR  
**COMPLIANCE:**

- (UL) Listed Type CMR
- C(UL) Listed CMR FT4
- (UL) Verified to TIA/EIA 568-C.2
- Tested to 600 MHz

## Construction Parameters:

Conductor	23 AWG Solid Bare Copper	<b>DIAMETER*</b>
Dielectric	PE	0.022"
Assembly	Each pair has different lay length for cross-talk prevention and ripcord added.	0.039"
Jacket	PVC	0.210"
		* = Nominal value

## Product Electrical Characteristics:

Max Capacitance (nF/100m @ 1 kHz)	Max DC Resistance (Ω/100m @ 20°C)	Max Delay Skew (ns/100m)	Nom Velocity of Propagation (%)	Characteristic Impedance (Ω @ 1-100 MHz)	Characteristic Impedance (Ω @ 100-250 MHz)
5.6	9.38	45	71	100 +/- 15	100 +/- 22

Freq (MHz)	Max Insertion Loss (dB/100m)	Min NEXT Loss (dB)	Min PSNEXT Loss (dB)	Min ACR (dB/100m)	Min PSACR (dB/100m)	Min ACRF (dB/100m)	Min PSACRF (dB/100m)	Min Return Loss (dB)
1	2.0	74.3	72.3	72.3	70.3	67.8	64.8	20
10	6.0	59.3	57.3	53.3	51.3	47.8	44.8	25
16	7.6	56.2	54.2	48.6	46.6	43.7	40.7	25
20	8.5	54.8	52.8	46.3	44.3	41.8	38.8	25
31.25	10.7	51.9	49.9	41.2	39.2	37.9	34.9	23.6
62.5	15.4	47.4	45.4	32	30	31.9	28.9	21.5
100	19.8	44.3	42.3	24.5	22.5	27.8	24.8	20.1
200	29.0	39.8	37.8	10.8	8.8	21.8	18.8	18.0
250	32.8	38.3	36.3	5.5	3.5	19.8	16.8	17.3
300	36.4	37.1	35.1	0.7	-	18.3	15.3	16.8
400	43.0	35.3	33.3	-	-	15.8	12.8	15.9
500	48.9	33.8	31.8	-	-	13.8	10.8	15.2
600	54.5	32.6	30.6	-	-	12.2	9.2	14.7

\* Note that values above 250 MHz are not guaranteed and are for engineering reference only.

Pair Colors: W/BL with BL, W/OR with O, W/GR with GR, W/BR with BR  
Jacket Color: Standard colors are White, Orange, Green, Blue, Gray, Black and Yellow

Legend (Ink Print) CAT6 COLEMAN CABLE 97272 CAT6 23 AWG 4PR UTP C(ETL)US LISTED TYPE CMR SUNRES--- TYPE  
CMR FT4 ETL VERIFIED TO TIA/EIA-568-C.2 CATEGORY 6  
(Also printed with sequential footage & date code)

This product complies with European Directive 2011/65/EU (RoHS-2)

On special orders, the customer will accept all mil lengths and +/- 10 percent of total order requested.

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Customer Name \_\_\_\_\_

Customer Approval \_\_\_\_\_

Specification Issue Date: April 12, 2013