



PRODUCT DATA SHEET

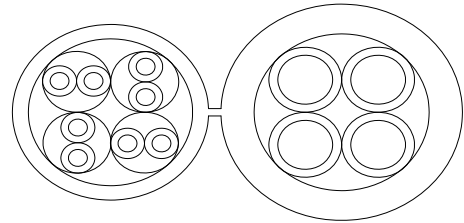
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PART NUMBER: 99286
DESCRIPTION: CAT5E 24/4PAIR PLUS A 16 AWG 4/C IN A 2 "LEG" PARALLEL CONSTRUCTION
CONSTRUCTION: This cable consists of four 16 AWG cabled conductors and one CAT5E 24/4Pair, laid parallel under an overall PVC jacket.
APPROVALS: ETL Listed as CMR/CL3R, CMG/FT4
APPLICATION: DIGITAL COMMUNICATION & POWER LIMITED CABLE APPLICATIONS

Construction Parameters:

Conductor (16 AWG 4/C) 16 AWG Bare Copper
Stranding 26/30
Insulation PVC
Insulation Thickness 0.009" Nom.
Conductor Thickness 0.077" Nom.
Lay Length 4.00" Nom.
Conductor (CAT5E, 24 AWG 4/PAIR) 24 AWG Bare Copper
Stranding Solid
Dielectric Solid PE
Dielectric Thickness 0.008" Nom.
Conductor Diameter 0.036" Nom.
Pair Lay Length Different length for cross-talk prevention
Overall Jacket Material PVC
Overall Jacket Thickness 0.022" Nom.
Overall Cable Diameter 0.202" / 0.228" x 0.440" Nom.
Approximate Cable Weight 67.3 Lbs/1M' Nom.
Flame Rating UL 1666 Riser Flame Test



Electrical Properties:

16 AWG 4/C
Temperature Rating -20°C to 60°C
Operating Voltage 300 V RMS Max.
DC Resistance per Conductor @ 20°C 4.00 Ohms/1M' Nom.
Capacitance Between Conductors @ 1 KHz 35 pF/ft Nom.

CAT5e 24/4PR

Freq. (MHz)	Attn. (dB/100m) Max	NEXT loss (dB) Min	PSNEXT loss (dB) Min	ACR (dB@100m) Min	PSACR (dB@100m) Min	ELFEXT (dB@100m) Min	PSELFEXT (dB@100m) Min	Ret. Loss (dB) Max
1	2.0	65.3	62.5	63.3	60.3	63.8	60.8	20.0
10	6.5	50.3	47.3	43.8	40.8	43.8	40.8	25.0
16	8.2	47.3	44.3	39.1	36.1	39.7	36.7	25.0
20	9.3	45.8	42.8	36.5	33.5	37.7	34.7	25.0
31.25	11.7	42.9	39.9	31.2	28.2	33.9	30.9	23.6
62.5	17.0	38.4	35.4	21.4	18.4	27.8	24.8	21.5
100	22.0	35.3	32.3	13.3	10.3	23.8	20.8	20.1

Specification	Value
Mutual Capacitance: (nF / 100m) Nominal	4.4
DC Resistance: (Ohms / 100m @ 20°C) Max	8.9
Delay Skew: (ns / 100m) Max	45
Velocity of Propagation: Non-Plenum (%): Plenum (%):	70 72
Input Impedance: (Ohms @ 1-100 MHz)	100 +/- 15

Overall Cable Temperature Rating -20°C to 60°C

Insulation Colors (16 AWG) Black Red White Green
Insulation Colors (CAT5E) Pair 1: White/Blue with Blue Pair 2: White/Orange with Orange Pair 3: White/Green with Green Pair 4: White/Brown with Brown

Overall Jacket Color Purple

Legend (Surface Ink Print) COLEMAN CABLE 99286 CLEAR SIGNAL SPEAKER PLUS DATA C(ETL)US (ETL CODE) CMR/CL3R 60C CAT5E 24/4PR 350 MHZ UTP & 16/4 SPEAKER CABLE CMG FT4 *****FEET

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

The customer will accept all factory lengths and +/- 10 percent of total order requested.

Cable has a rip cord for easy jacket removal. The jacket is sequentially footmarked.

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Customer Name _____ Date Signed _____

Customer Approval _____

Specification Issue Date: March 5, 2013