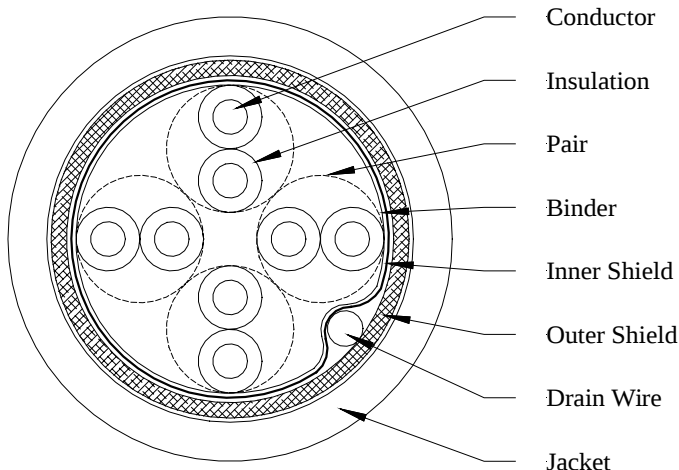


4 PAIR 26 AWG STRANDED STP CATEGORY 5 ROHS CABLE



CONSTRUCTION

Pair Component

Conductor: 26 AWG 7/34 Bare Copper, 0.019 Inch [0.48 mm] Diameter

Insulation: 0.009 Inches [0.23 mm] of Polyolefin, 0.037 Inch [0.94 mm] Diameter

Pair: 2 Insulated Conductor Twisted Together, Lay Lengths Varied Between Pairs to Minimize Crosstalk

Final Assembly

Core: 4 Pairs (#1-4) Cabled Together

Binder: Polyester Tape, 25% Overlap

Inner Shield: Aluminum/Polyester Tape, Aluminum Side Facing Out, 25% Overlap

Drain Wire: 26 AWG 7/34 Tin Plated Copper, 0.019 Inch [0.48mm] Diameter

Outer Shield: 38 AWG Tinned Copper Braid, Minimum 65% Coverage

Jacket: 0.021 Inches [0.53 mm] of PVC, Color – Black

Diameter: 0.210 Inches [5.30 mm] Nominal

Print Legend (White Ink): "TYPE CM 26 AWG (UL) E111018 {Mfg Location Code} MS 100-5982"

COLOUR CODE

Pair #	Conductor #1	Conductor #2
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Impedance ¹ (Ohms)	SRL ² (dB Min.)	Attenuation (dB/100 m Nom.)	NEXT (dB Nom.)
0.772	-	-	2.7	
1	100 ± 15	23	3.0	62
4	100 ± 15	23	6.2	53
8	100 ± 15	23	8.8	48
10	100 ± 15	23	9.9	47
16	100 ± 15	23	12.5	46
20	100 ± 15	23	14.2	46
25	100 ± 15	22	15.8	45
31.25	100 ± 15	21	17.8	44
62.5	100 ± 15	18	25.8	38
100	100 ± 15	16	33.4	38
125	100 ± 15	15	38.0	36
155	100 ± 15	14	43.0	36
187.5	100 ± 15	13	48.0	36
200	100 ± 15	13	49.9	36

¹ An Impedance-Like Function Fit to Data By Least Square Method, Meets this Requirement.

² Values shown from 20 – 200 MHz are examples. Structural Return Loss at any frequency between 20 and 200 MHz is 23 – 10 Log₁₀(f/20) dB Minimum, where f is frequency in MHz and measurement is on a length ≥ 328 feet [100m].

Pair-to-Ground Capacitance Unbalance: 340 pF/100m Maximum

Mutual Capacitance: 17.0 pF/ft [55.8 pF/m] Maximum

Propagation Delay: 1.68 ns/ft [5.5ns/m] Maximum

Insulation Resistance: 150 MOhm-km Minimum

Transfer Impedance: 15 milliOhms/m Nominal at 1 MHz
18 milliOhms/m Nominal at 10 MHz

Loop DC Resistance: 28.0 Ohms/100 m Nominal, 29.8 Ohms/100 m Maximum @ 20°C

Conductor DC Resistance Unbalance: 5% Maximum

Dielectric Strength: 1500 Vdc for 3 seconds

MECHANICAL CHARACTERISTICS

Bend Radius (Installed): 0.75 Inches [20mm]

SAFETY CERTIFICATION

UL Listing: Type CM as specified in Article 800 of the National Electrical Code

RoHS Compliance: In Accordance to European Directive 2002/95/EC, Issue 13.2.2003



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Spec Number: 100-5982

Part Number: 08SEK00014

Customer: Tyco

Customer #: 7-1726220-6 (For Reference Only)

REVISION HISTORY

4	03/20/02	EP	Revised Insulation, Attenuation @ 4 MHz
5	03/25/02	EP	Revised Ink Color
6	08/19/04	HA	Revised Madison/Tyco P/N
7	11/30/04	EP	Revised Attenuation
8	06/08/05	EP	Revised Ins Wall/ OD, Jkt Wall
9	11/17/05	EP	Added RoHS Compliance Statement

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