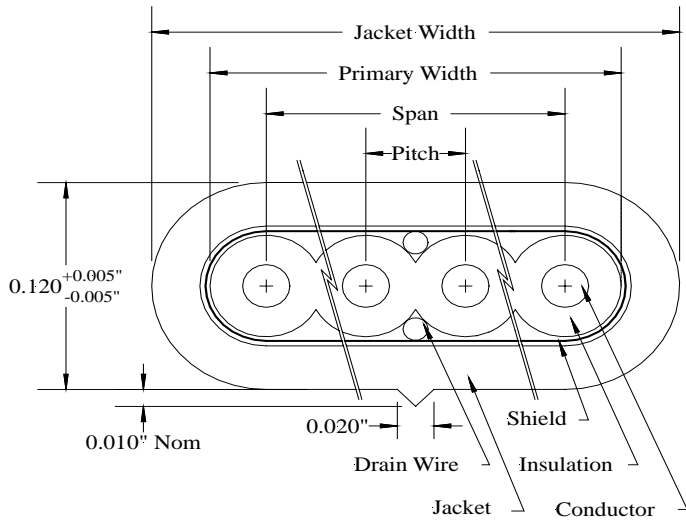


MULTI-CONDUCTOR 24 AWG .050" CENTER SDL CABLE



CONSTRUCTION

Single Component

Conductor: 24 AWG 7/32 Tin Plated Copper, 0.024 Inch Diameter
Pitch: 0.050 ± 0.003 Inches

Final Assembly

Core¹: Multi-conductors Laid Flat and Parallel
Insulation: 0.012 Inches of XPbT, 0.048 Inch Minor Diameter
Drain Wires (2): 28 AWG 7/36 Tin Plated Copper, 0.015 Inch Diameter
Shield: Aluminum/Polyester/Aluminum Tape, 25% Overlap, Applied Longitudinally
Jacket: 0.032 Inches of XPbT, Color – See Table 2
Minor Diameter: 0.120 ± 0.005 Inches
Major Diameter: See Jacket Width in Table 1
Print Legend (Light Gray Ink): TYPE CL2 90°C 24 AWG (UL) MADISON
 CABLE CSA AWM II A/B 90°C 300V FT1 RoHS COMPLIANT"

¹ Drawing shows only a 4-conductor construction as an example.

TABLE 1 – P/N & CONSTRUCTION

Madison P/N	No. of Cond	Dimensions		
		Span (Inches)	Primary Width (Inches)	Jacket Width (Inches)
04WFZLF005	4	0.150±0.005	0.200±0.005	0.275+0.005/-0.010
04WFZLF006	4	0.150±0.005	0.200±0.005	0.275+0.005/-0.010
06WFZLF003	6	0.250±0.006	0.300±0.006	0.375+0.005/-0.010
06WFZLF007	6	0.250±0.006	0.300±0.006	0.375+0.005/-0.010
08WFZLF003	8	0.350±0.007	0.400±0.007	0.475+0.005/-0.010
08WFZLF006	8	0.350±0.007	0.400±0.007	0.475+0.005/-0.010
16WFZLF003	16	0.750±0.011	0.800±0.011	0.875+0.005/-0.010
16WFZLF006	16	0.750±0.011	0.800±0.011	0.875+0.005/-0.010

TABLE 2 – P/N & JACKET COLOR

Madison P/N	Jacket Color
04WFZLF005	Black
04WFZLF006	Gray
06WFZLF003	Black
06WFZLF007	Gray
08WFZLF003	Black
08WFZLF006	Gray
16WFZLF003	Black
16WFZLF006	Gray

ELECTRICAL CHARACTERISTICS

Impedance (Signal-to-Ground): 39 Ohms Nominal @ 1 MHz
Capacitance: 60 pF/ft Maximum @ 1 MHz
Time Delay: 2.0 ns/ft Maximum
Insulation Resistance: 1000 Megohms-10 ft @ 20°C
Shield Effectiveness: 30 dB Minimum @ from 30 to 1000 MHz
Dielectric Withstand: 1500 Volts RMS

Crosstalk:

Near-End: 1% Maximum Peak-to-Peak @ 2 ns Rise-Time, 10-90%, on a 10 ft sample
Far-End: 4% Maximum Peak-to-Peak @ 2 ns Rise-Time, 10-90%, on a 10 ft sample

Conductor DC Resistance: 0.024 Ohms/ft Nominal @ 20°C

SAFETY CERTIFICATION

UL Listing: Type CL2 as specified in Article 725 of the National Electrical Code
CSA Certification: AWM II A/B 90°C 300 Volts FT1
RoHS Compliance: In Accordance with European Directive 2002/95/EC, Issue 13.2.2003



125 Goddard Memorial Drive • Worcester, MA 01603 USA
 Tel: (508) 752-2884 Toll-Free: (877) MADISON Fax: (508) 752-4230

Spec Number: 101-2676

Part Number: See Table 1

Customer:

Customer #:

REVISION HISTORY

1	06/09/05	EP	Initial Release
2	11/30/05	EP	Revised Legend

Prepared By: E. Piekieniak

Reviewed By: K. Arsenault

N. Allen

Page

1 of 1