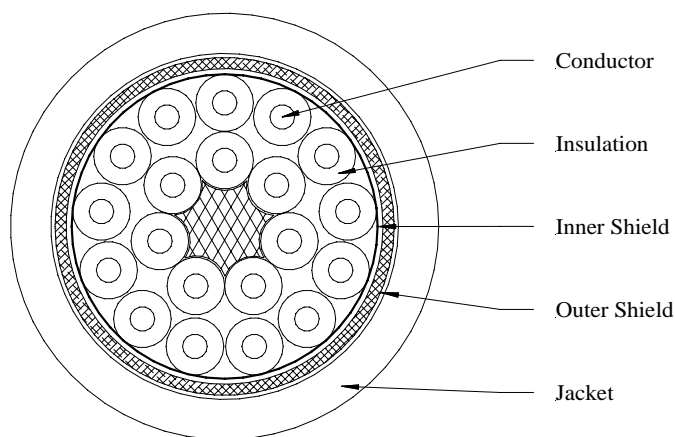


20 CONDUCTOR 28 AWG NON-HALOGEN CABLE



8	Orange	White
9	White	Yellow
10	Yellow	White
11	White	Green
12	Green	White
13	White	Blue
14	Blue	White
15	White	Violet
16	Violet	White
17	White	Gray
18	Gray	White
19	Tan	Brown
20	Brown	Tan

CONSTRUCTION

Single Component

Conductor: 28 AWG 7/36 Tin Plated Copper, 0.015 Inch Diameter
 Insulation: 0.007 Inches of Polypropylene, 0.029 Inch Diameter

Final Assembly

Core: Fibrillated Polypropylene Filler
Layer 1: 7 Singles (#1-7) Cabled Around Core
Layer 2: 13 Singles (#8-20) Cabled Around Layer 1
Inner Shield: Aluminum/Polyester Tape, Aluminum Side Facing Out, 25% Overlap
Outer Shield: 36 AWG Tin Plated Copper Braid, 85% Coverage
Jacket: 0.027 Inches of Non-Halogen Thermoplastic, Color – RAL 7036 Gray
Diameter: 0.230 ± 0.010 Inches
Print Legend (Black Ink): "MADISON CABLE HALOGEN-FREE MS 101-6685
 RoHS COMPLIANT{Date Code}"¹

¹ Date Code is a 4-digit code with the first two digits identifying the calendar week and the last two identifying the calendar year of manufacturing. Example – 0206 for cable manufactured in Jan 8, 2006.

COLOR CODE

Conductor #	Insulation Color	Tracer Color
1	White	Tan
2	Tan	White
3	White	Brown
4	Brown	White
5	White	Pink
6	Pink	White
7	White	Orange

ELECTRICAL CHARACTERISTICS

Operating Voltage: 100 Volts DC
Dielectric Withstand: 500 Volts DC for 3 seconds
Conductor DC Resistance: 0.061 Ohms/ft [200 Ohms/km] Nominal @ 20°C

PHYSICAL CHARACTERISTICS

Flammability: IEC 332-1
Temperature Rating:
 Working: -10 to +80°C
 Static: -20 to +80°C
Bend Radius:
 Installed (6 x OD): 1.4 Inches Minimum
 During Installation (12 x OD): 2.8 Inches Minimum

SAFETY CERTIFICATION

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

REVISION HISTORY

1	07/30/07	KA	Initial Release
2	12/15/09	DC	Revised Operating Voltage
3	12/21/09	DC	Added Static Temperature Rating

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

Spec Number: 101-6685
Part Number: 20SDCLF011
Customer: _____
Customer #: _____

Prepared By: D.M. Card
Reviewed By: T. Grzysiewicz B. Morissette
 Page 1 of 1

Users should evaluate the suitability of this product for their application. Contact factory for latest revision of specification. Tyco Electronics reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to the Buyer.