

Customer Specification

PART NO. 9851

Construction

| | | | | Diameters (In) | |
|----------------|-------|---|-------|----------------|-------|
| 1) Component 1 | | 1 X 1 COAX | | | |
| a) Conductor | | 30 (7/38) AWG Silver Plated Copper Non-Magnetic | | 0.0120 | |
| b) Insulation | | 0.0105" Wall, Nom. FEP | | 0.0330 | |
| (1) Color(s) | | | | | |
| Cond | Color | Cond | Color | Cond | Color |
| 1 | CLEAR | | | | |
| 2) Shield | | Non-Magnetic Silver Plated Copper BRAID Shield,95% Coverage, Min. | | | |
| 3) Jacket | | 0.010" Wall, Nom.,FEP | | 0.070+/- 0.003 | |
| a) Color(s) | | CLEAR, BLACK, BROWN, RED, ORANGE, YELLOW, GREEN, BLUE, VIOLET, SLATE, WHITE. | | | |

Applicable Specifications

Environmental

| | |
|--|---|
| 1) CE: EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3): | |
| | This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item. |
| 2) REACH Regulation (EC 1907/2006): | |
| | This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. |

Properties

| | |
|----------------------------------|---------------------------------|
| Physical & Mechanical Properties | |
| 1) Temperature Range | -70 to 200°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 2.15 Lbs, Maximum |
| Electrical Properties | (For Engineering purposes only) |
| 1) Voltage Rating | 1000 V _{RMS} |
| 2) Characteristic Impedance | 50 Ω +/- 2 |
| 3) Ground Capacitance | 29.3 pF/ft @1 kHz, Nominal |
| 4) Velocity of Propagation | 70 % |
| 5) Conductor DCR | 241 Ω/1000ft @20°C, Nominal |
| 6) Attenuation, Max dB/100ft | 14.1 @ 100 MHz |
| | 29.3 @ 400 MHz |
| | 48.9 @ 1 GHz |

Other

| | |
|------------------|---|
| Packaging | Flange x Traverse x Barrel (inches) |
| a) 100 FT | 2.75 x 2 x 1.125 Continuous length |
| | <i>[Spool dimensions may vary slightly]</i> |

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