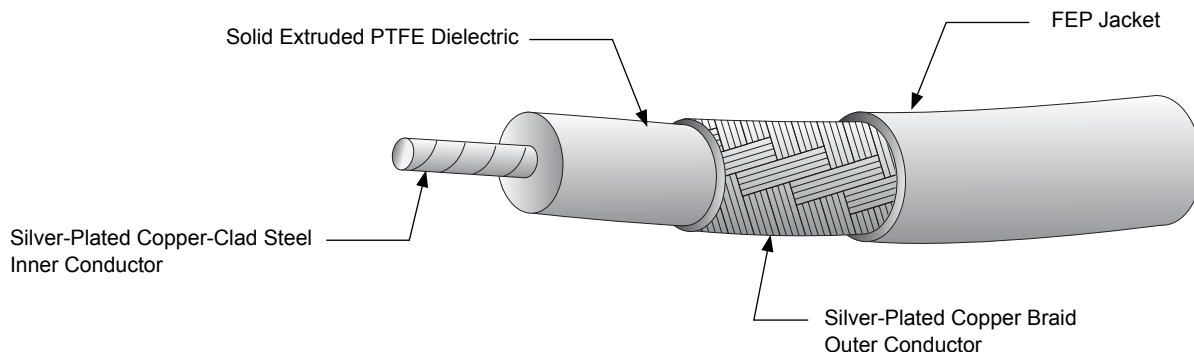


**962-004 LOW-LOSS 50 OHM M17 HIGH FREQUENCY CABLE WITH EXTENDED TEMPERATURE RANGE**



**Physical and Mechanical Specifications**

Dimensions (Inches)	
Center Conductor	Ø .0201 ± .001 (7 x .0067) silver plated copper-clad steel
Dielectric Core	solid PTFE extruded to Ø.060 ± .003
Outer Conductor	38 AWG silver-plated copper braid, Ø.081 maximum Coverage: 95.2% nominal
Jacket	FEP to Ø.098 ± .004
Operating Temperature	-55° C to +200° C

**Electrical Specifications**

Working Voltage	900 volts RMS (continuous)
Operating Frequency	3 GHz max
Velocity of Propagation	69.5% nominal
DC Resistance (Inner Conductor)	8.41 Ohms/100 ft max (20° C)
Spark Test	2,000 volts RMS +25%/-0%
DWV	2,000 volts RMS (minimum)
CEV	1,200 volts RMS (minimum)
Impedance	50 ± 2 Ohms

**Attenuation**

MHz	dB per 100 ft
50	7.5
100	11
400	21
1,000	38
3,000	58

**Structural Return Loss**

MHz	dB
50	30
100	30
400	23
1,000	21
3,000	17

**Notes**

Cable identified with manufacturer's name and part number.  
 Cable is sold in 1 foot increments. Specify desired length on purchase order.

**Compatible Contacts**



**852-002**

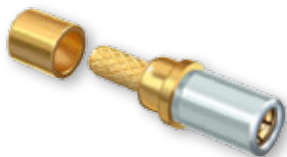
Size #12 D38999 Sr. I/II/III/IV Pin

**852-004**

Size #12 D38999 Sr. I/II/III/IV Pin

**852-008**

Size #16 D38999 Sr. I/III/IV Pin



**852-001**

Size #12 D38999 Sr. II/Mighty Mouse  
Socket

**852-003**

Size #12 D38999 Sr. I/III/IV Socket

**852-005**

Size #12 D38999 Sr. I/III/IV Socket

**852-009**

Size #16 D38999 Sr. I/III/IV Socket

**852-010**

Size #16 D38999 Sr. II/Mighty Mouse  
Socket