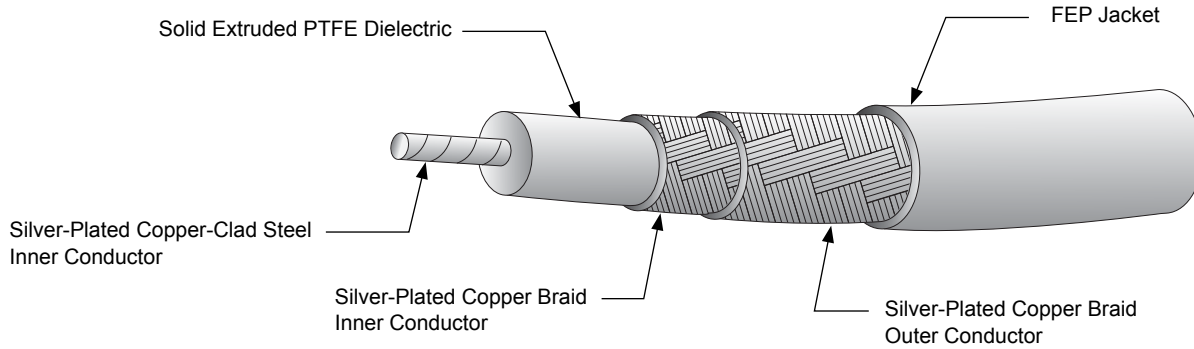


962-005
M17/152-00001 (RG316-DS)
50 Ohm Ultra-High Frequency Coaxial Cable
with Double Shield



Coaxial

962-005 50 OHM M17 ULTRA-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.096 maximum Inner Braid: 95.4% nominal coverage Outer Braid: 94.6% nominal coverage
Jacket	FEP to Ø .114 ± .004
Operating Temperature	-55° C to +200° C

Electrical Specifications	
Working Voltage	900 volts RMS (continuous)
Operating Frequency	12.4 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 +10%/-0%
DWV	2,000 volts RMS (minimum)
CEV	1,200 volts RMS (minimum)
Impedance	50 ± 2 Ohms
Capacitance	32 pf/ft (minimum)

Compatible Contacts

852-016
Size #12 D38999 Sr. II/Mighty Mouse Pin

852-031
Size #8 D38999 Sr. I/III/IV Pin

852-015
Size #12 D38999 Sr. II/Mighty Mouse Socket

852-019
Size #12 D38999 Sr. III Socket

852-030
Size #8 D38999 Sr. I/III/IV Socket

Structural Return Loss	
MHz	dB
500	26
3,000	20
12,400	15

Attenuation / Max Power		
MHz	dB per 100 ft	Watts
50	7.5	600
500	26	190
1,000	40	130
3,000	75	75
10,000	170	45
12,400	200	37

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