



	LAB RATED		HIGH TEMPERATURE	
MilesTek Part Number	30-02001	30-02003	M17/176-00002	30-02002
Nominal Impedance (Ohms)	78 ± 3	78 ± 3	77 ± 7	77 ± 7
Nominal Outside Diameter	0.242	0.150	0.129	0.095
Conductor Diameter	0.037	0.022	0.024	0.0149
Operating Temperature Range	-20°C to +75°C	-20°C +75°C	-55°C to +200°C	-55°C to +200°C
Minimum bend radius (inches)	2.42	1.50	1.50	1.25
Nominal Capacitance (pF/ft.)	19.7	20.3	24	23
Attenuation @ 1MHz (dB/100 ft.)	0.6	2	1.4	2
Outer Jacket Material	PVC	PVC	Teflon	PFA
Insulation Material	PVC	PVC	Teflon	FEP
Shield Coverage	93%	93%	93%	90%
Use MilesTek Connector	-210	-231	-206	-242

Please see connectors on pages 81-83 and page 86. Off-the-shelf bus and stub cables can be found on page 73. Contact us for custom assemblies and harnesses.

Attenuation dB/100 ft:				
1 MHz	0.600	2.000	1.400	2.000
3 Mhz		3.000	2.100	
10 Mhz	2.100	5.300	4.50 Max	6.500
20 MHz		7.500		
30 MHz		9.200		
40 MHz		10.600		
50 MHz	5.000	11.900		
100 MHz	7.500	16.800		
200 MHz	11.000	23.700		
400 MHz	16.000			
500 MHz		37.500		
700 MHz		44.300		
1000 MHz		53.000		

MIL-STD-1553B COMPONENTS

MilesTek is your source for design and production of cable assemblies, couplers and devices that support systems using MIL-STD-1553B. We can provide you with design assistance, component sourcing and harness assembly.

We can accommodate small quantity and large volume production runs. MilesTek is proud of its worldwide reputation for quick turn on RFQ's and production timelines.