



Rev	Change	By	Date
A	Added VSWR	SD	01/12/01
B	Update Format	MTP	02/12/03
C	M17 Rev. D w/ Amend. 1	MTP	06/15/10

Construction

- A) Center Conductor
.037" SPCW
OD: .037" ± .001"
- B) Dielectric
Extruded Natural PTFE
OD:.116" Nom.
- C) Braid #1
94.4% Coverage SPC 36 AWG
OD:.136" Nom.
- D) Braid #2
93.1% Coverage SPC 36 AWG
OD: .156" Nom.
- E) Jacket:
Extrude Brown FEP
OD 195" ± .005"
Markertape:
"M17/60-RG142 MIL-DTL-17 27478 HARBOUR INDUSTRIES"

Electrical Properties

Impedance:	50 ± 2 Ohms		
Capacitance:	29.3 Pf/ft Nom.		
Velocity of Prop:	69% Nom.		
Time Delay:	1.50 ns Max.		
Cut off Frequency:	33.6 GHz		
DCR	8.41 Ohms/100' @ 20°C		
SRL(Max.)	Attenuation (dB/100ft.):		
.05 GHz	25.5	.05 GHz	3.0
.10 GHz	23.8	.10 GHz	4.4
.40 GHz	23.1	.40 GHz	9.3
1.0 GHz	22.0	1.0 GHz	15.3
3.0 GHz	20.0	3.0 GHz	29.3
12.4 GHz	20.0	8.0 GHz	57.8
		12.4 GHz	85.4

Physical Properties

Weight per 1000 ft.:	43.0 lbs
Minimum Bend Radius:	.57"
Operating Temp Range:	-55C to 200C

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Drawn By: Stephen Dike		This drawing contains proprietary information and is issued in strict confidence and shall not be copied, reproduced, transmitted or disclosed to any third party either wholly or in part without prior written approval of Harbour Industries.		
Approved By: S. Dike				
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Drawing Name: M17/60-RG142			Drawing Number: 032196_2	