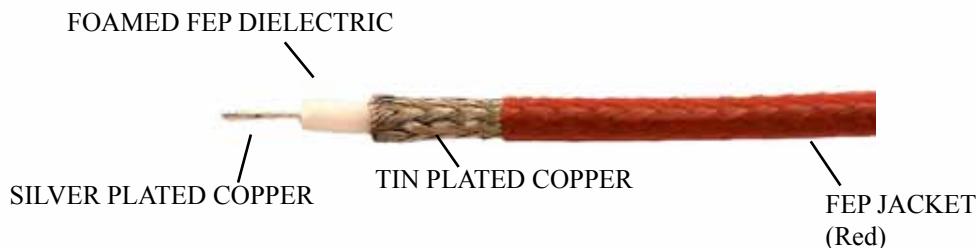


## 75 Ω COAXIAL CABLE



This coaxial cable has been designed for 75 Ω applications such as cabin entertainment baseband video. Compared with M17/94-RG179, this cable is substantially stronger (more than twice the tensile strength) and has better attenuation characteristics.

At the heart of V75268 is a silver-plated copper center conductor nearly 60% larger than in RG179 — yet the overall diameter of the cable increases by only 22%. To achieve the correct impedance in this proportionately-smaller diameter, a foamed FEP dielectric having a high velocity of propagation is employed to surround the center conductor. The cable is 95% (minimum) shielded with a braid of tin-plated copper. A distinctive red FEP jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation.

It is Skydrol resistant, RoHS compliant and meets the FAA flammability requirements of FAR Part 23 and 25, Appendix F; complies with MIL-C-17 as applicable.

Because of the critical effect of impedance-matched terminations, a comprehensive family of 75 Ω connectors is available.

PHYSICAL DATA		ELECTRICAL DATA	
Conductor	26 AWG stranded SPC	Impedance (ohms)	75
Tensile Strength, Approx.	25 lbs.	Capacitance (pF/ft)	16.0
Temperature	-55° to +150°C	Velocity of Propagation (%)	80
Outer Diameter (in.)	0.122	Time Delay	1.28
Minimum Bend Radius (in.)	0.6	Shielding Effectiveness (dB)	-50
Weight (lbs / 100ft)	1.3	Attenuation (dB/100 ft) Nom/ Max	
		@ 1 MHz	0.51 / 0.55
		@ 10 MHz	1.7 / 1.77
		@ 100 MHz	5.3 / 5.67
		@ 400 MHz	11.1 / 11.8
		@ 1.45 GHz	23.0 / 24.6
		@ 3.00 GHz	35.0 / 37.4

All values nominal unless otherwise noted  
See connector information on the next sheet

**Most Cables are in Stock and Available for Quick Delivery  
Please Contact Customer Service for Details @ 262-246-0500**

**CONNECTORS FOR PIC P/N V75268**

<b>CONTACTS</b>	<b>PIC P/N</b>
<b>ARINC</b>	
Size 5 Socket 50 Ω	190703**
Size 5 Socket 75 Ω	190733
Size 8 Socket 50 Ω	190729**
Size 8 Socket 75 Ω	190732
Size 16 Socket	190730**
Mil-C-81659 Size 9 Socket	110237**
<b>D-SUB</b>	
Size 8 Pin	110235**
Size 8 Socket	110236**
<b>M39029 for MIL-C-38999 Connector</b>	
Size 8 Pin	190738**
Size 8 Socket	190739**
Size 16 Pin	190735**
Size 16 Socket	190734**
Size 8 Pin 75 Ω	190740
Size 8 Pin 75 Ω with seal	190740-01
Size 8 Socket 75 Ω	190741
Size 8 Socket Ω with seal	190741-01
	<i>**Not recommended for high definition applications</i>
<b>RF CONNECTORS</b>	
BNC Straight Plug	190712
BNC 90° Plug	110249
BNC Inline Jack	190727
BNC Straight Jack	190727
BNC Bulkhead Jack	190728
BNC Mini Straight Plug	190745
F Straight Plug	110677
SMB 75 Ω Socket	190736
SMC 75 Ω Female Plug	110285
SMA Straight Plug	190714
TNC Straight Plug	190708
RCA Straight Plug	110218*
	<i>*Call PIC for availability</i>

*DIE SETS AVAILABLE ON LOAN OR FOR PURCHASE FROM PIC  
REFER TO CONNECTOR DRAWING FOR TOOLING*

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