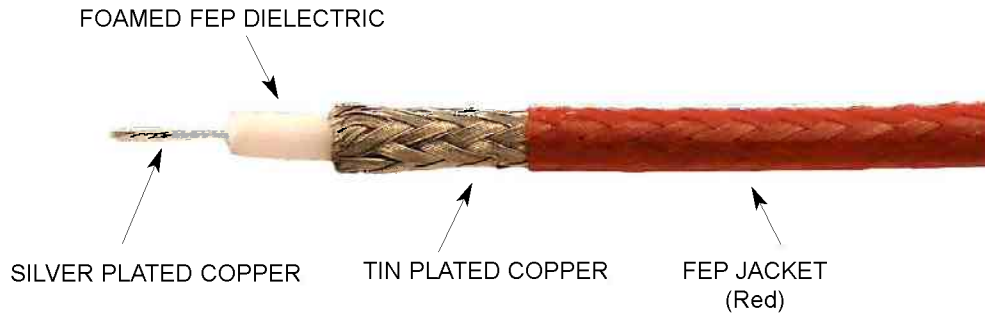


75Ω COAXIAL CABLE



This coaxial cable has been designed for 75Ω 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 75Ω connectors is available.

PHYSICAL DATA	V75268	RG179	ELECTRICAL DATA	V75268	RG179
Conductor (Stranded)	0.019 in. O.D.	0.012 in. O.D.	Impedance (ohms)	75	75
Tensile Strength, Approx.	25 lbs.	10 lbs.	Capacitance (pF/ft)	16.0	19.5
Temperature	-55° to +150°C	-55° to +200°C	Velocity of Propagation (%)	81	69.5
Outer Diameter (in.)	0.122	0.100	Attenuation (dB/100 ft) Max		
			1 MHz	0.6	0.85
			10 MHz	1.6	3.0
Minimum Bend Radius (in.)	0.6	0.5	100 MHz	5.9	9.5
			400 MHz	15.0	21.0
Weight (lbs / 100ft)	1.2	1.0	Shielding Effectiveness (dB)	-50	-50

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

CONTACTS	PIC P/N
ARINC	
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
D-SUB	
Size 8 Pin	110235
Size 8 Socket	110236
Size 8 Socket (Precision)	110260
M39029 for MIL-C-38999 Connector	
Size 8 Pin	190738
Size 8 Socket	190739
Size 16 Pin	190735
Size 16 Socket	190734
RF CONNECTORS	
BNC Straight Plug	190712
BNC 90° Plug	110249
BNC Jack	190727
BNC 90° Bulkhead Jack	190728
BNC Mini Straight Plug	110518
BNC Mini Jack	110519
F Straight Plug	110211
SMB 75 Ω Socket	190736
SMC 75 Ω Female Plug	110285
SMA Straight Plug	190714
TNC Straight Plug	190708
RCA Straight Plug	110218

DIE SETS AVAILABLE ON LOAN OR FOR PURCHASE FROM PIC

REFER TO CONNECTOR DRAWING FOR TOOLING

N53 W24747 S. Corporate Circle, P.O. Box 330, Sussex, WI 53089-0330

Phone: (262) 246-0500 Fax: (262) 246-0450

Toll Free: (800) 742-3191

www.picwire.com