



The P02 premium performance coaxial cable connectors are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up the attachment of connectors to RADIAFLEX® cables. The connectors should provide outstanding value to users because they permit quick, easy and reliable installation

**FEATURES / BENEFITS**

- Designed for Fast and Easy Installation - Reliable and simple attachment avoids unnecessary connector adjustments and provides
- Outstanding performance. Saves time and provides cost savings
- Robust Mechanical Design - Best in class PIM performance
- Excellent Electrical Performance - Low VSWR
- Totally Waterproof - Assures safe, long term operation in the harshest of environments



716F-RA158-P02

**Technical features**

**GENERAL SPECIFICATIONS**

<b>Transmission Line Type</b>		Coaxial Cable
<b>Cable Size</b>		1-5/8
<b>Cable Type</b>		Radiating
<b>Model Series</b>		all RLF, RLK and RAY158-50A-Series
<b>Connector Interface</b>		7-16 DIN
<b>Connector Type</b>		Straight
<b>Sealing Method</b>		Shrinking Sleeve
<b>Gender</b>		Female

**ELECTRICAL SPECIFICATIONS**

<b>Nominal Impedance, ohms</b>	Ohm	50
<b>3rd Order IM Product @ 2x20 Watts</b>	dBc	-155 / -160 (typ.)
<b>Maximum Frequency</b>	GHz	2.8
<b>VSWR, Return Loss</b>	VSWR (dB)	0.0-1.0 GHz: 1.03 (36.6) >1.0-2.0 GHz: 1.06 (30.7) >2.0-2.8 GHz: 1.08 (28.3)

**MECHANICAL SPECIFICATIONS**

<b>Length</b>	mm (in)	81.4 (3.2)
<b>Outer Diameter</b>	mm (in)	59.5 (2.34)
<b>Body Material</b>		Brass / Plating: Tri Metal
<b>Inner Contact Material</b>		Copper / Plating: Silver
<b>Inner Contact Attachment</b>		Spring Finger / Plating: Silver

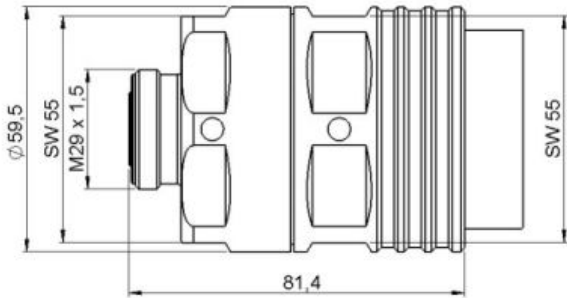


ACCESSORIES

Wrench size front	mm (in)	SW 55 (2.16)
Wrench size rear	mm (in)	SW 55 (2.16)
Poly Hook Spanner	mm (in)	PHS60-90-5 Ø 60-90 (2.4-3.5)
Trimming Tool		TRIM-SET-R158-P02

TESTING AND ENVIRONMENTAL

Waterproof Level		IP68
Installation Temperature	°C(°F)	-25 to 60 (-13 to 140)
Storage Temperature	°C (°F)	-70 to 85 (-94 to 185)
Operation Temperature	°C(°F)	-40 to 85 (-40 to 185)



External Document Links

- [Installation of Heat Shrink Sleeves](#)
- [Installation Instruction](#)

Notes

In order to achieve the PIM specs. the use of the trimming tool is mandatory.