

SMB Dual-Crimp Cable Plugs



These SMB plugs feature crimp center contacts for fast assembly, with reduced size and weight compared to standard SMB cable plugs.

Other features include:

- 50 ohm or 75 ohm impedance.
- For single or double-shielded cables.
- Gold-plated captive contact.
- Nickel plated body and crimp sleeve.
- Fast delivery from stock.



Ordering Information

Figure 1 (50 ohm)

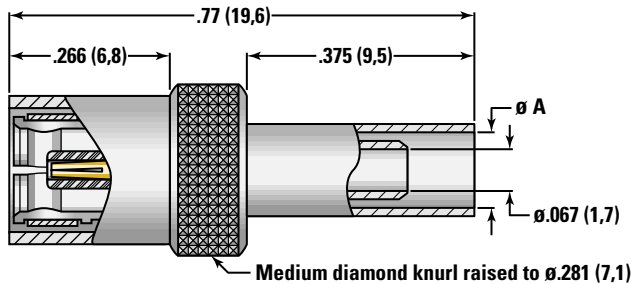
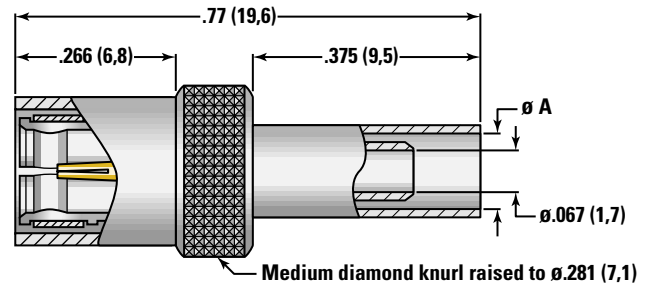


Figure 2 (75 ohm)



SMB Dual-Crimp Cable Plugs				
Impedance	Cable	A	Figure	AEP P/N
50 ohm	RG-316	.122	1	2007-7721-003
50 ohm	RG-316DS	.130	1	2007-7721-019
75 ohm	RG-179	.122	2	8802-7721-079
75 ohm	RG-179DS	.130	2	8802-7721-085

See next page for specifications and assembly instructions.



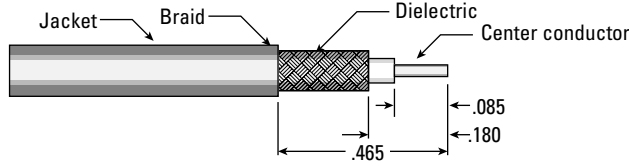
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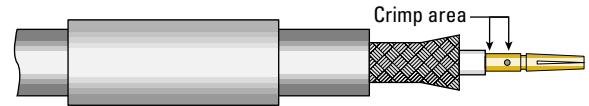
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Assembly Instructions

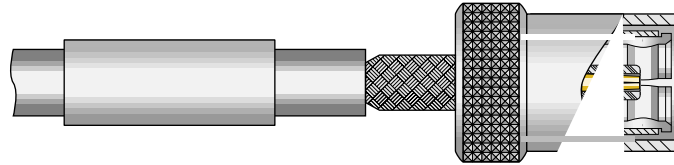
- 1 —Trim cable as shown.
—Slide crimp sleeve over cable.



- 2 —Place contact onto cable center conductor, with back of contact flush with end of cable dielectric.
—Crimp contact to center conductor (see below for tool information).
—Flare cable braid by rotating dielectric.



3



4

- 4 —Slide crimp sleeve forward to touch rear of...



...cable, for 50 ohm connectors)

...B16, alloy 360, 1/2 hard.
...196, Condition HT. **Insulators:** Teflon TFE per ASTM 1710.

...revision of MIL-PRF-39012*
...to meet current MIL-PRF-39012 corrosion requiremen

Frequency range: DC–4 GHz. **Insulation Resistance:** 1,000 megohms minimum @ sea level (RG-178 cable); 335VRMS @ sea level (RG-316 cable).

Voltage: 750VRMS @ sea level (RG-178 cable); 1000VRMS @ sea level (RG-316 cable).
Straight connectors: Initial: 6 milliohms maximum; after environmental test: 12 milliohms maximum.
Right angle connectors: Initial: 12 milliohms maximum; after environmental test: 24 milliohms maximum.

RF highpot: 400 VRMS @ 5 MHz.
Insertion loss: .30 dB max (straight connectors), .60 dB max (right angle connectors) @ 2–3 GHz.

	Straight connector	Right angle connector
RG-178	1.30 + (.04 x F[GHz])	1.45 + (.06 x F[GHz])
RG-316	1.25 + (.04 x F[GHz])	1.35 + (.04 x F[GHz])

Mechanical:

...matin cycles.
...bration **Method 204**): Condition B.
...y for last specifications.

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