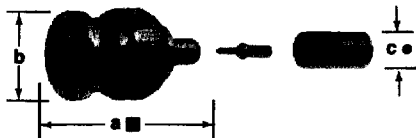
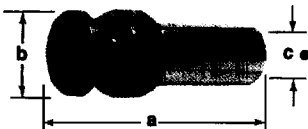
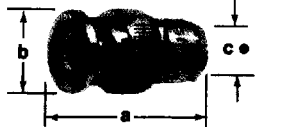
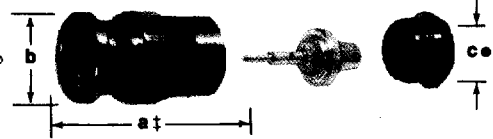


# BNC coaxial connectors\*

Amphenol® BNC connectors are miniature 50Ω units which operate with low reflection DC-4 GHz on 50Ω cables and

DC-500 MHz on 75 ohm cables. The voltage rating is 500 V peak. See specifications, page 20.

<p>Fig. 1 BNC 3 Piece Crimp Type Plugs</p> 		<p>Fig. 2 BNC SURETWIST® Plugs</p> 	
<p>Cables</p>		<p>Connectors</p>	
RG-58	<b>31-320</b>	RG-58	<b>31-5137</b>
Plenum 58	<b>31-4320 (M39012/16-0013)</b>	RG-59, 62	<b>31-5136</b>
	<b>36650-1003</b>	Plenum 59, 62	<b>31-5369</b>
		Belden 8281	<b>31-5151</b>
RG-59, 62	<b>31-321</b>	<p>Fig. 3 BNC Clamp Type Plugs</p> 	
	<b>31-4321 (M39012/16-0015)</b>	RG-58	<b>31-202 (UG-88C)</b>
RG-59 (20 AWG Ctr Cond.)	<b>68175-1005</b>	RG-59, 62	<b>31-212 (UG-260B)</b>
Plenum 59, 62	<b>68175-1011</b>	RG-122, Belden 8218	<b>84975 (UG-1033)</b>
RG-122, Belden 8218	<b>31-325</b>	<p>Fig. 4 BNC QUICKTRIM® Plugs</p> 	
RG-174, 188, 316	<b>31-315</b>	RG-59, 62	<b>31-4541 (IBM 1836444)</b>
DbI. Br. RG-316	<b>31-315-1005</b>	PL62 (IBM 4885584)	<b>31-5060 (IBM 4449035)</b>
RG-179, 187	<b>31-242</b>	Belden 9268	<b>31-4542 (IBM 1836447)</b>
Belden 8213	<b>31-4411</b>		
Belden 8281, 88281	<b>31-321-1000</b>		
Belden 9259	<b>68175-1003</b>		
Thinnet, Belden 9907, 89907	<b>31-320-1006</b>		

## BNC PLUGS • 2 stud bayonet mating • 50Ω impedance

Cable RG-U	Cable Attachment		Dimensions, inches (millimeters)			Construction Notes				Military Number	Amphenol Number	Fig.
	Outer	Inner	a	b	c •	CAI	Pt.	Ins.	Other			
55, 58, 141, 142, 223, 400	Crimp	Crimp	1.11(28.2)	.562(14.3)	.206(5.2)	C9	P2	D1		M23329/3-01,3-03	<b>31-320</b> ⚡	1
			1.12(28.5)	.562(14.3)	.206(5.2)	C9	P6	D1		—	<b>36775</b>	
	Clamp	Solder	1.06(27.0)	.562(14.3)	.224(5.7)	C10	P1	D1		M39012/16-0013	<b>31-4320</b>	1
			.969(24.6)	.562(14.3)	.212(5.4)	C10	P1	D1		UG-88C	<b>31-202</b> ⚡	
		SURETWIST®		1.47(37.3)	.562(14.3)	.181(4.6)	C11	P12	D15		UG-88	<b>31-2</b>
Plenum 58	Crimp	Crimp	1.11(28.2)	.562(14.3)	.175(4.4)	C9	P1	D1		—	<b>31-5137</b>	2
59, 62, 140, 210	Crimp	Crimp	1.11(28.2)	.562(14.3)	.175(4.4)	C9	P1	D1		—	<b>36650-1003</b>	1
			1.12(28.5)	.562(14.3)	.261(6.6)	C9	P2	D1		M23329/3-05	<b>31-321</b> ⚡	
			1.20(30.5)	.562(14.3)	.261(6.6)	C9	P2	D1		—	<b>68175</b>	
			1.12(28.5)	.562(14.3)	.261(6.6)	C9	P6	D1		—	<b>68175-1004</b>	
	Clamp	Solder	1.10(27.9)	.562(14.3)	.255(6.5)	C10	P1	D1		M39012/16-0015	<b>31-4321</b>	1
		SURETWIST®		1.47(37.3)	.562(14.3)	.219(5.6)	C11	P12	D15		UG-260B	<b>31-212</b>
59 (20 AWG Ctr Cond)	SURETWIST®		1.03(26.2)	.562(14.3)	.252(6.2)	C12	P1	D1	IBM 1836444	—	<b>31-5136</b>	2
	QUICKTRIM®		1.03(26.2)	.562(14.3)	.252(6.2)	C12	P1	D1	IBM 1836444	(WANG 350-2075)	<b>31-4541</b>	4
Plenum 59, 62	Crimp	Crimp	1.11(28.2)	.562(14.3)	.261(6.6)	C9	P2	D1		—	<b>31-4541 (IBM 1836444)</b>	1
	Crimp	Crimp	1.11(28.2)	.562(14.3)	.216(5.5)	C9	P2	D1		—	<b>68175-1005</b>	1
	SURETWIST®		1.47(37.3)	.562(14.3)	.181(4.6)	C11	P12	D15		—	<b>31-5060 (IBM 4449035)</b>	4
122, Belden 8218	Crimp	Crimp	1.11(28.2)	.562(14.3)	.175(4.4)	C9	P53	D1		—	<b>31-5136</b>	2
	Clamp	Solder	1.06(27.0)	.562(14.3)	.175(4.4)	C10	P1	D1		UG-1033	<b>31-4541</b>	1
PL62 (IBM 4835584)	QUICKTRIM®		1.07(27.3)	.562(14.3)	.235(6.0)	C12	P1	D1	IBM 4449035	—	<b>31-212</b>	3
174, 188, 316	Crimp	Crimp	1.19(30.2)	.562(14.3)	.117(3.0)	C9	P2	D1		—	<b>31-325</b>	1
DbI. Br. RG-316	Crimp	Crimp	1.11(28.2)	.562(14.3)	.135(3.4)	C9	P54	D1		—	<b>84975</b>	3
179, 187	Crimp	Crimp	1.19(30.2)	.562(14.3)	.117(3.0)	C9	P2	D1		—	<b>31-315</b>	1
Belden 8281, 88281	Crimp	Crimp	1.21(30.7)	.562(14.3)	.342(8.7)	C9	P2	D1		—	<b>31-315-1005</b>	1
Amphenol 21-1060-7	SURETWIST®		1.47(37.3)	.562(14.3)	.274(7.0)	C11	P12	D15		—	<b>31-242</b>	1
Belden 8213	Crimp	Crimp	1.59(40.4)	.562(14.3)	.418(10.6)	C9	P54	D1		—	<b>31-321-1000</b>	1
Belden 9259	Crimp	Crimp	1.11(28.2)	.562(14.3)	.261(6.6)	C9	P2	D1		—	<b>31-5151</b>	2
Belden 9268	QUICKTRIM®		1.03(26.2)	.562(14.3)	.275(7.0)	C12	P1	D1	IBM 1836447	—	<b>31-4111</b>	1
Belden 9907, 89907	Crimp	Crimp	1.11(28.2)	.562(14.3)	.196(5.0)	C9	P2	D1		—	<b>68175-1003</b>	1
	QUICKTRIM®		1.03(26.2)	.562(14.3)	.275(7.0)	C12	P1	D1	IBM 1836447	—	<b>31-4542</b>	4
	Crimp	Crimp	1.11(28.2)	.562(14.3)	.196(5.0)	C9	P2	D1		—	<b>31-320-1006</b>	1

\* recognized under the component program of U. L., Inc. ⚡ preferred for new designs ■ to end of crimp ferrule ‡ to end of clamp nut • accommodates cable diameter