

AMPHENOL RF PART NUMBER

082-4442

N-Type Right Angle Crimp Plug for RG-142, LMR-400, 50 Ohm

Amphenol® RF



PRODUCT IMAGE
COMING SOON

PRODUCT OVERVIEW

RF Connector, N-Type Right Angle Crimp Plug for RG-142, LMR-400, 50 Ohm

Product Type	Connectors
Product Series	N-Type
Status	Active

PRODUCT SPECIFICATIONS

Gender	Plug
Orientation	Right Angle
Termination Style	Cable - Crimp
Impedance (Ohms)	50
Body Finish	Silver
Body Material	Brass
Contact Finish	Gold
Contact Material	Brass
Contact Termination Style	Solder
Insulator Material	PTFE
Cable Group	G3
Cable Type	Belden 9913, Belden 9914, LMR-400
Crimp Tool	CTL-11
Coupling Mechanism	Threaded
Max Frequency (GHz)	11
Polarity	Standard
Thread Direction	Standard

Min. Temp. (Celsius)	-65
Max. Temp. (Celsius)	165
Mating Cycles	500
Military Qualified	Yes
Military Part Number	M39012/05-0503

PRODUCT COMPLIANCE

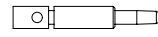
Product compliance documentation, if available is listed below:

RoHS 2 (EU)	Compliant with Exemption 6C - View Certificate
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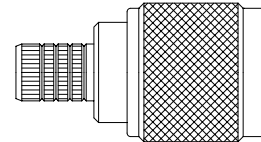
CRIMP-CRIMP TYPES



outer ferrule



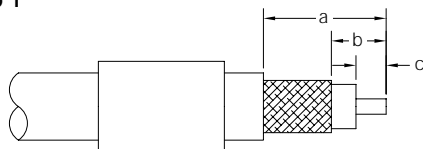
contact



body assembly

Amphenol Number	Connector Type	Cable RG-/U	Strip Dimensions, inches (mm)			Hex Crimp Data			
			a	b	c	Cavity for Contact	Cavity for Outer Ferrule	Die Set for Tool 227-944‡	CTL Series Tool No.
82-332	N Plug	9, 214	.531(13.5)	.234(6.0)	.140(3.5)	.100(2.5)	.429(10.9)	227-1221-25	CTL-3
82-340	N Plug	8, 213	.531(13.5)	.234(6.0)	.141(3.6)	.100(2.5)	.429(10.9)	227-1221-25	CTL-3
82-340-1052	N Plug	B9913, 9914	.539(13.7)	.250(6.4)	.158(4.0)	.116(2.9)	.429(10.9)	227-1221-63	CTL-11
82-340-1054	N Plug	LMR 400	.539(13.7)	.250(6.4)	.157(4.0)	.116(2.9)	.429(10.9)	227-1221-63	CTL-11
82-4425	N Plug	9, 214, 225, 393	.687(17.4)	.281(7.1)	.187(4.7)	.100(2.5)	.429(10.9)	227-1221-25	CTL-3
82-4425-1003	N Plug	9, 214, 225, 393	.687(17.4)	.281(7.1)	.187(4.7)	.100(2.5)	.429(10.9)	227-1221-25	CTL-3
82-4426	N Plug	8, 213	.687(17.4)	.281(7.1)	.187(4.7)	.100(2.5)	.429(10.9)	227-1221-25	CTL-3
82-4426-11RFX	N Plug	8, 213, 214 Eth.Cables	.630(16.0)	.303(7.7)	.157(4.0)	.100(2.5)	.429(10.9)	227-1221-25	CTL-3
82-4426-1001	N Plug	Ethernet Cables	.687(17.4)	.281(7.1)	.187(4.7)	.100(2.5)	.429(10.9)	227-1221-25	CTL-3
82-4426-1002	N Plug	Ethernet Cables	.687(17.4)	.281(7.1)	.187(4.7)	.100(2.5)	.429(10.9)	227-1221-25	CTL-3
82-4427	N Plug	142, 400	.687(17.4)	.281(7.1)	.187(4.7)	.100(2.5)	.213(5.4)	227-1221-57	CTL-3
82-4427-1006	N Plug	142, 142B, 400	.600(15.2)	.275(7.0)	.140(3.5)	.100(2.5)	.213(5.4)	227-1221-57	CTL-3
82-4440	N Angle Plug	214, 225, 393	.687(17.4)	.281(7.1)	.187(4.7)	.100(2.5)	.429(10.9)	227-1221-25	CTL-3
82-4440-1001	N Angle Plug	9, 214, 225, 393	.687(17.4)	.281(7.1)	.187(4.7)	.100(2.5)	.429(10.9)	227-1221-25	CTL-3
82-5370	N Plug	55, 142, 223	.600(15.2)	.275(7.0)	.140(3.5)	.100(2.5)	.213(5.4)	227-1221-57	CTL-3
82-5372	N Panel Jack	55, 141, 142	.600(15.2)	.275(7.0)	.140(3.5)	.100(2.5)	.213(5.4)	227-1221-57	CTL-3
82-5373	N Bulk. Jack	55, 142, 223	.640(16.3)	.315(8.0)	.180(4.6)	.100(2.5)	.213(5.4)	227-1221-57	CTL-3
82-5374	N Angle Plug	55, 142, 223	.687(17.4)	.281(7.1)	.187(4.7)	.100(2.5)	.213(5.4)	227-1221-57	CTL-3
82-5375	N Plug	58, 141	.531(13.5)	.233(5.9)	.140(3.5)	.100(2.5)	.213(5.4)	227-1221-57	CTL-3
82-5375-RFX	N Plug	58, 141	.630(16.0)	.303(7.7)	.157(4.0)	.100(2.5)	.213(5.4)	227-1221-57	CTL-3
82-5378	N Bulk. Jack	58, 141	.640(16.3)	.273(6.8)	.180(4.6)	.100(2.5)	.213(5.4)	227-1221-57	CTL-3
82-5933	N Bulk. Jack	316	.502(12.7)	.102(2.6)	.062(1.6)	Solder	.178(4.5)	227-1221-09	CTL-2
82-5988-1000	N Angle Plug	214, 393	.827(21.0)	.492(12.5)	.157(4.0)	Solder	.429(10.9)	227-1221-6001	CTL-3
82-5988-1004	N Angle Plug	214, 393	.827(21.0)	.492(12.5)	.157(4.0)	Solder	.429(10.9)	227-1221-6001	CTL-3
82-5993	N Plug	LMR 600	.844(21.4)	.344(8.7)	.250(6.4)	.176(4.5)	.612(15.5)	227-1221-6001	—
82-5994	N Bulk. Jack	LMR 600	.844(21.4)	.344(8.7)	.250(6.4)	.176(4.5)	.612(15.5)	227-1221-6001	—
82-5995	N Angle Plug	LMR 600	1.062(27.0)	.562(14.3)	.312(7.9)	Solder	.612(15.5)	227-1221-6001	—
82-6010	N Plug	LMR 240	.610(15.5)	.200(5.1)	.200(5.1)	Press-Fit	.255(6.5)	227-1221-59,-13	CTL-1.5.8
82-6106	N Plug	LMR 240	.687(17.4)	.312(7.9)	.187(4.7)	.100(2.5)	.255(6.5)	227-1221-59	CTL-5
82-5988-1000	N Angle Plug	LMR 240	.827(21.0)	.492(12.5)	.157(4.0)	.100(2.5)	.255(6.5)	227-1221-59	CTL-5
82-5988-1004	N Angle Plug	LMR 240	.827(21.0)	.492(12.5)	.157(4.0)	.100(2.5)	.255(6.5)	227-1221-59	CTL-5

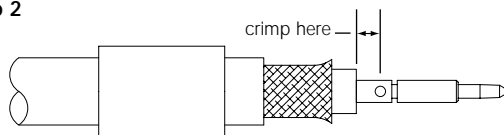
Step 1



Step 1

Strip cable jacket, braid, and dielectric to dimensions shown. All cuts are to be sharp and square. **Important:** Do not nick braid, dielectric, and center conductor. Tinning of center conductor is not necessary if contact is to be crimped. For solder method, tin center conductor avoiding excessive heat.

Step 2

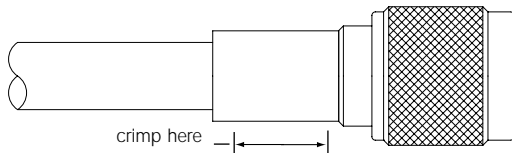


Step 2

Slide outer ferrule onto cable as shown. Flare slightly end of cable braid as shown to facilitate insertion of inner ferrule. **Important:** Do not comb out braid. Place contact on cable center conductor so it butts against cable dielectric. Center conductor should be visible through inspection hole in contact. Crimp or solder contact in place as follows:

Crimp Method: Use Die Set Cavity for contact indicated in table above. **Solder Method:** Soft solder contact to cable center conductor. Do not get any solder on outside surface of contact. Avoid excessive heat to prevent swelling of dielectric.

Step 3



Step 3

Install cable assembly into body assembly so inner ferrule portion slides under braid. Push cable assembly forward until contact snaps into place in insulator. Slide outer ferrule over braid and up against connector body. Crimp outer ferrule using Die Set Cavity specified in table above.