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FR - Pour connaître les tarifs et la disponibilité dans votre pays, cliquez sur l'un des liens suivants:

[83-1SP](#)

[083-168-RFX](#)

[083-185-RFX](#)

[83-750 \(UG-111/U\)](#)

EN

This Datasheet is presented by
the manufacturer

DE

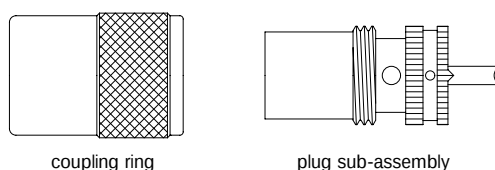
Dieses Datenblatt wird vom
Hersteller bereitgestellt

FR

Cette fiche technique est
présentée par le fabricant

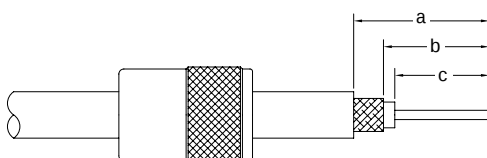
UG STANDARD SOLDER TYPE

PLUGS 83-1SP, 83-1SP-1050, 83-1SP-15RFX, 83-822



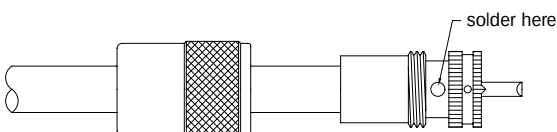
Amphenol Number	Connector Type	Cable RG-/U	Attachment Data		Stripping Dimensions, inches (mm)		
			Outer	Inner	a	b	c
83-1SP-1050	UHF Plug	8, 9, 11, 213, 214, 63, 87A, 225	Solder	Solder	1.25(31.8)	.687(17.4)	.625(15.9)
83-1SP	UHF Plug	8, 9, 11, 213, 214, 63, 87A, 225	Solder	Solder	1.25(31.8)	.687(17.4)	.625(15.9)
83-1SP-15RFX	UHF Plug	8, 9, 11, 213, 214, 63, 87A, 225	Solder	Solder	1.13(28.6)	.689(17.5)	.625(15.9)
83-822	UHF Plug	8, 9, 11, 213, 214, 63, 87A, 225	Solder	Solder	1.25(31.8)	.687(17.4)	.625(15.9)
83-59	UHF Angle Plug	8, 9, 11, 213, 214, 63, 87A, 225	Solder	Solder	.844(21.4)	.391(9.9)	.250(6.4)
83-67	UHF Angle Plug	8, 9, 11, 213, 214, 63, 87A, 225	Solder	Solder	.844(21.4)	.391(9.9)	.250(6.4)

Step 1



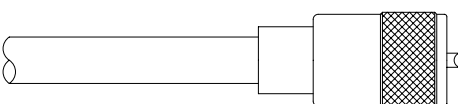
Step 1 Slide coupling ring onto cable. Cut end of cable even and strip jacket, braid and dielectric to dimensions shown in table . All cuts are to be sharp and square. Do not nick braid, dielectric or center conductor. Tin exposed center conductor and braid, avoiding excessive heat.

Step 2



Step 2 Screw the plug sub-assembly on cable. Solder assembly to braid through solder holes, making a good bond between braid and shell. Solder conductor to contact. Do not use excessive heat.

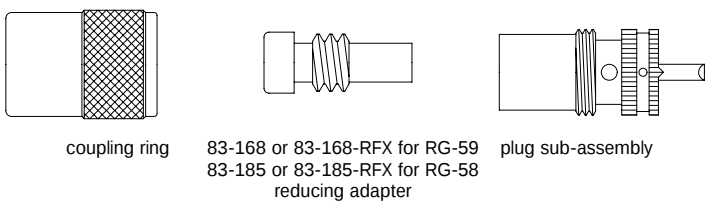
Step 3



Step 3 For final assembly on straight plugs, move coupling ring forward and screw in place on plug sub-assembly.

UG STANDARD SOLDER TYPE WITH REDUCING ADAPTER

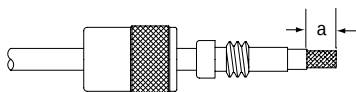
FOR PLUGS 83-1SP, 83-1SP-1050, 83-1SP-15RFX, 83-822, USING 83-168 83-168-RFX, OR 83-185, 83-185-RFX REDUCING ADAPTER



Amphenol Number	Connector Type	Cable RG-/U (using 83-168 or 83-168-RFX)	Cable RG-/U (using 83-185 or 83-185-RFX)	Attachment Data		Using 83-168 or 83-185 Stripping Dims, inches (mm)			Using 83-168-RFX or 83-185-RFX Stripping Dims, inches (mm)		
				Outer	Inner	a	b	c	a	b	c
83-1SP	UHF Plug	59	58	Solder	Solder	.750(19.1)	.375(9.5)	.625(15.9)	.689(17.5)	.375(9.5)	.551(14.0)
83-1SP-1050	UHF Plug	59	58	Solder	Solder	.750(19.1)	.375(9.5)	.625(15.9)	.689(17.5)	.375(9.5)	.551(14.0)
83-1SP-15RFX	UHF Plug	59	58	Solder	Solder	.750(19.1)	.375(9.5)	.625(15.9)	.689(17.5)	.375(9.5)	.551(14.0)
83-750	UHF Plug	59	58	Solder	Solder	.750(19.1)	.375(9.5)	.625(15.9)	.689(17.5)	.375(9.5)	.551(14.0)
83-822	UHF Plug	59	58	Solder	Solder	.750(19.1)	.375(9.5)	.625(15.9)	.689(17.5)	.375(9.5)	.551(14.0)

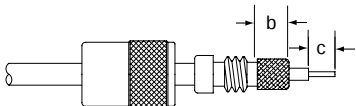
Assembly

Step 1



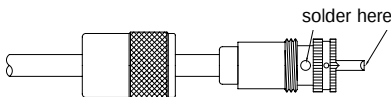
Step 1 Slide coupling ring and adapter onto cable. Cut end of cable even and strip jacket to dimension shown in table.

Step 2



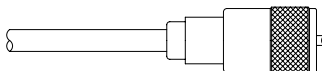
Step 2 Position adapter flush with end of cable jacket. Fan braid slightly and fold back over body of adapter as shown. Press braid down over body and trim to dimension **b**. Bare conductor to dimension **c** shown in table. Tin exposed center conductor and braid, avoiding excessive heat.

Step 3



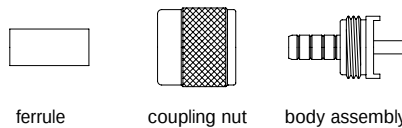
Step 3 Screw plug sub-assembly onto adapter. Solder braid to shell through solder holes, making a good bond between braid and shell. Solder conductor to contact. Do not use excessive heat.

Step 4



Step 4 For final assembly, screw coupling ring onto plug sub-assembly.

C4 — BRAID CRIMP - SOLDER CENTER CONTACT



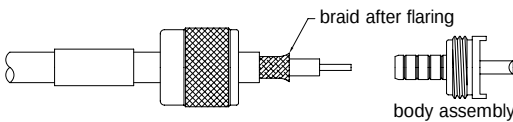
Amphenol Number	Connector Type	Cable RG-/U	Cable Attachment		Hex Crimp Data			Stripping Dims, inches (mm)		
			Outer	Inner	Cavity for Outer Ferrule	Die Set Tool 227-994	CTL Series Tool No.	a	b	c
83-58SP	UHF Plug	58, 141	Crimp	Solder	.213(5.4)	227-1221-11	CTL-1	1.14(29.0)	.780(19.9)	.250(6.4)
83-58SP-1002	UHF Plug	400	Crimp	Solder	.213(5.4)	227-1221-11	CTL-1	1.14(29.0)	.780(19.9)	.250(6.4)
83-59DCP-RFX	UHF Plug	59	Crimp	Solder	.255(6.5)	227-1221-13	CTL-1	1.22(30.9)	.574(22.6)	.543(13.8)
83-58SCP-RFX	UHF Plug	58	Crimp	Solder	.213(5.4)	227-1221-11	CTL-1	1.22(30.9)	.574(22.6)	.543(13.8)
83-59SP	UHF Plug	59	Crimp	Solder	.255(6.5)	227-1221-13	CTL-1	1.22(30.9)	.574(22.6)	.543(13.8)
83-8SP-RFX	UHF Plug	8	Crimp	Solder	.429(10.9)	227-1221-25	CTL-3	1.22(30.9)	.574(22.6)	.543(13.8)

Step 1



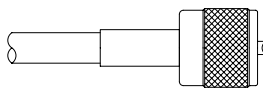
Step 1 Cut end of cable even. Strip cable to dimensions shown in table. All cuts are to be sharp and square. Do not nick braid, dielectric or center conductor. Tin center conductor avoiding excessive heat.

Step 2



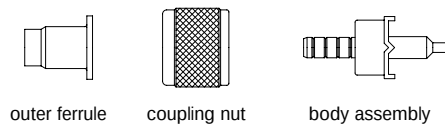
Step 2 Slide coupling nut and ferrule over cable jacket. Flair braid slightly as shown. Install cable into body assembly, so inner ferrule portion slides under braid, until braid butts shoulder. Slide outer ferrule over braid until it butts shoulder. Crimp ferrule with tool and die set indicated in table.

Step 3



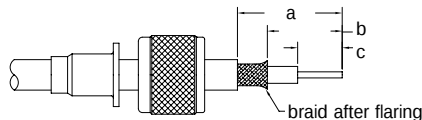
Step 3 Soft solder center conductor to contact. Avoid heating contact excessively to prevent damaging insulator. Slide/screw coupling nut over body.

C5 — UHF CRIMP-CRIMP TYPE-C5



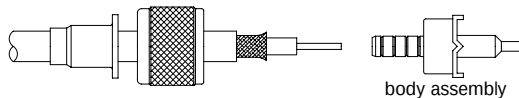
Amphenol Number	Connector Type	Cable RG-/U	Cable Attachment		Hex Crimp Data			a	b	c	CTL Series Tool #	Die Set for Tool 227-944
			Outer	Inner	Cavity for Outer ferrule	Cavity for End of Ferrule	Cavity for Center Contact					
83-58DCP-2	UHF Plug	58	Crimp	Crimp	.260(6.60)	.210(5.33)	.052(1.32) sq.	1.23(31.3)	.791(20.2)	.25(6.35)	—	227-1350
83-58DCP-2RFX	UHF Plug	58	Crimp	Crimp	.255(6.5)	.213(5.4)	.068(1.7)	1.12(28.4)	.685(17.4)	.236(5.99)	CTL-1	227-1221-11,-13

Step 1



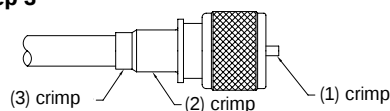
Step 1 Strip cable to dimensions shown. Slide ferrule and coupling nut over cable jacket and flair braid slightly as shown.

Step 2



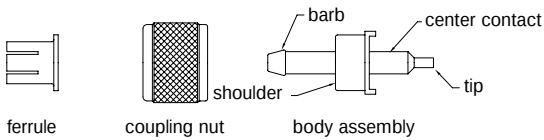
Step 2 Slide body assembly into place so inner ferrule portion slides under braid. Braid must butt back of body. Slide coupling nut forward. Slide ferrule over braid until it butts against body.

Step 3



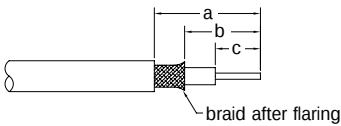
Step 3 Using tools indicated in table above:
 (1) crimp center contact
 (2) crimp outer ferrule to braid
 (3) crimp outer ferrule to cable jacket

FCP® TERMINATION FOR PLUGS 83-58FCP, 83-58FCP-RFX on RG-58



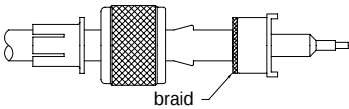
Amphenol Number	Connector Type	Cable RG-/U	Tools	Stripping Dimensions, inches (mm)		
				a	b	c
83-58FCP	FCP Plug	58	Pliers & Fiber Grommet in Bag	1.00(25.4)	.812(20.6)	.500(12.7)
83-58FCP-RFX	FCP Plug	58	Pliers & Fiber Grommet in Bag	.673(17.0)	.547(14.0)	.236(6.0)

Step 1



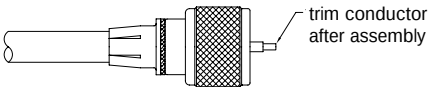
Step 1 Strip cable to dimensions shown in table.

Step 2



Step 2 Slide ferrule and coupling nut over cable. Flair braid slightly. Insert body under flared braid until shoulder is against cable jacket.

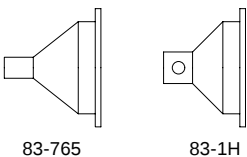
Step 3



Step 3 Slide nut onto body. Grasp cable. Push ferrule over barb and up against body. Crimp tip of center contact with pliers, or if you prefer, solder. Then trim center conductor even with end of contact.

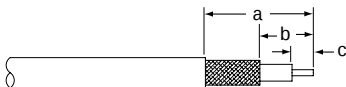
HOODS FOR ADAPTING PANEL RECEPTACLES TO COAXIAL CABLES

83-1H (UG-106/U) for RG-8, 10, 11, 12, 63, 79, 115, 149, 213, 215
83-765 (UG-177/U) for RG-58, 141



Amphenol Number	Connector Type	Cable RG-/U	Cable Attachment		Stripping Dimensions		
			Outer	Inner	a	b	c
83-1H	Hood	8, 10, 11, 12, 63, 79, 115, 149, 213, 205	Solder	Solder	.625(15.8)	.500(12.7)	.312(7.92)
83-765	Hood	58, 141	Solder	Solder	.750(19.0)	.687(17.4)	.312(7.92)

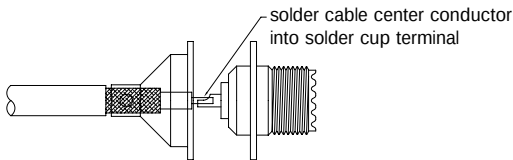
Step 1



Step 1

Strip cable to dimensions shown. Do not nick center conductor. Tin exposed braid and center conductor.

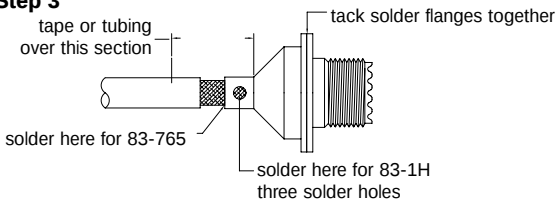
Step 2



Step 2

Slide hood over braid. When using double-braided cable, hood goes over inner braid only. Then, in step 3, solder outer braid to outside of hood. Solder Center Conductor into solder cup terminal.

Step 3



Step 3

Slide hood flush against receptacle and tack-solder hood flange to receptacle flange. Solder hood to braid as shown. Use tape or tubing over section shown.

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