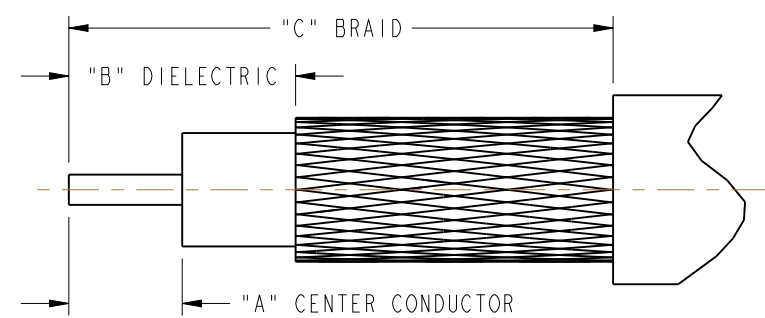


REVISIONS				
REV	DESCRIPTION	DATE	ECO	APPR
B	A) MODIFY C71 STRIPPING DIMENSION, B) ADDED NOTE 7, C) C04 AND C62 WERE "***"	5/6/09	47539	BCG
H	A) REVISED NOTE 3 TO INCLUDE THE USE OF A MECHANICAL STOP.	10/10/13	49742	BCG

CABLE ASSEMBLY INSTRUCTIONS
FOR 2FAH, 2FDH, 3FAH & 3FDH SERIES PLUGS & JACKS



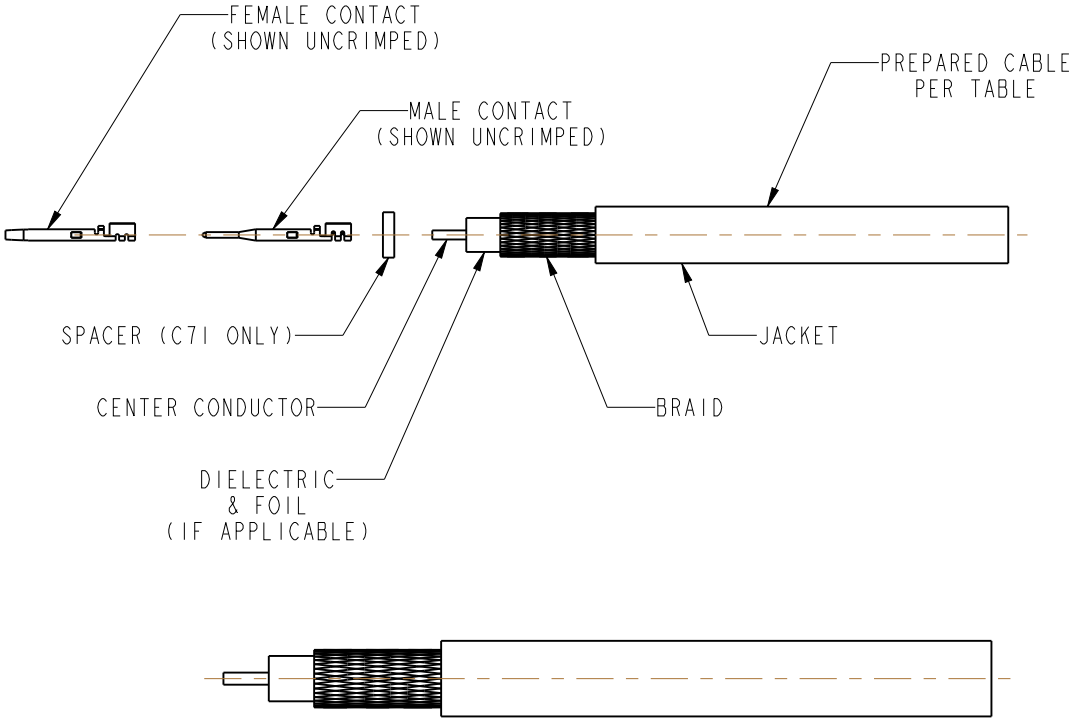
RECOMMENDED CABLE STRIPPING DIMENSIONS

CABLE GROUP	STRIPPING LENGTH (mm)			FERRULE HEX CRIMP SIZE	NOTES (SEE BELOW)	CENTER CONTACT CRIMPING SPECIFICATION / DIE
	"A"	"B"	"C"			
C01	.098 (2.50)	.187 (4.75)	.394 (10.00)	.128 (3.25)	A	349-50747 & 349-50750
C04	.098 (2.50)	.187 (4.75)	.394 (10.00)	.213 (5.41)	A	349-50747 & 349-50748
C05	.098 (2.50)	.187 (4.75)	.394 (10.00)	.128 (3.25)	A	349-50747 & 349-50750
C06	.118 (3.00)	.201 (5.10)	.409 (10.40)	.130 (3.30)	A	349-50747 & 349-50750
C40	.106 (2.70)	.169 (4.30)	.413 (10.5)	.187 (4.75)	A	349-50747 & 349-50750
C65	.098 (2.50)	.226 (5.75)	.433 (11.00)	.255 (6.48)	B,C	349-50747 & 349-50750
C71	.146 (3.70)	.232 (5.90)	.448 (11.37)	.255 (6.48)	B,C	349-50747 & 349-50750
M59	.106 (2.70)	.169 (4.30)	.390 (9.90)	.178 (4.52)	A	349-50747 & 349-50750

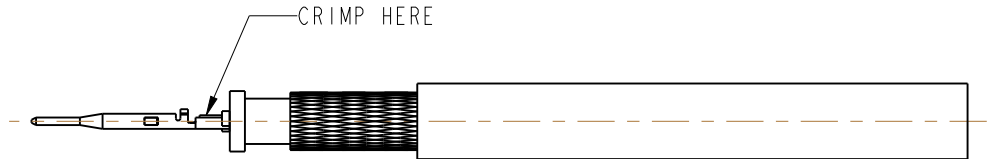
- A) THE C01,C05,C06,C40,M59 CABLE GROUPS REQUIRES A SHORTENED HEX CRIMP DIE FOR THE FERRULE (.300" MAX. LONG). THE C04 CABLE GROUP REQUIRE A SPECIAL HEX DIE SET (SEE DWG. 227-Y1987P FOR DETAILS)
- B) THE C65 & C71 CABLE GROUPS REQUIRE A STANDARD HEX CRIMP DIE FOR THE FERRULE (.375" MIN. LONG) TO ASSURE THE ENTIRE FERRULE IS CRIMPED.
- C) AFTER CRIMPING, THE FERRULES DIMENSION OF C65 & C71 IS 6.55±0.13 mm IN THREE PLACES.

	NAME	DATE		NAME	DATE
PROJ. ENG.	B.C. GLEISSNER	26-Nov-06	APPD. BY	M. HOYACK	4/25/08
CHK. BY			DATE ISSUED		

AMPHENOL CORPORATION			DANBURY, CONN.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES: AND TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± 1/64 ± .005 ± 1°	CODE IDENT.	349-50767		REV
	74868			H
	SCALE: NONE		SHEET 1 OF 4	



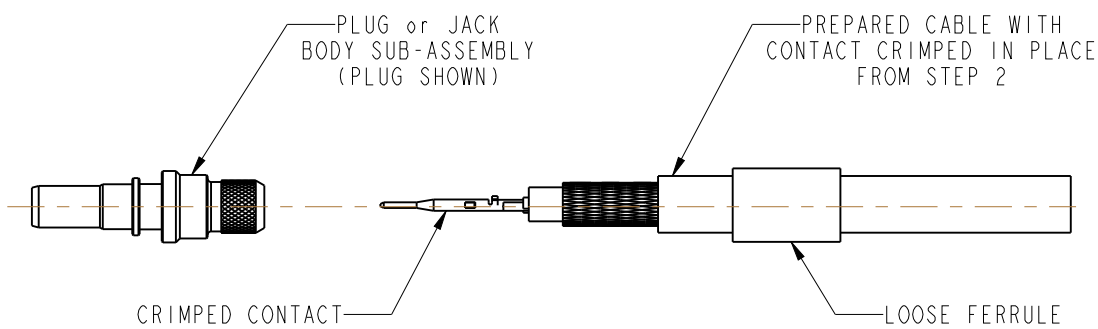
1. PREPARE CABLE PER TABLE AS SHOWN.



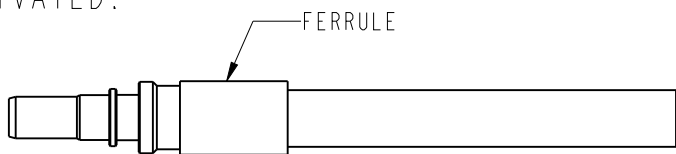
2. SLIDE SPACER (IF APPLICABLE) OVER THE CENTER CONDUCTOR AND CRIMP CONTACT (MALE SHOWN) USING THE APPROPRIATE CRIMPING SPECIFICATION AS SHOWN IN TABLE BASED ON CABLE GROUP.

AMPHENOL CORPORATION			DANBURY, CONN.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES: AND TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± 1/64 ± .005 ± 1°		CODE IDENT.	349-50767		REV
		74868			H
SCALE: NONE		BODYFI_FAK	SHEET 2 OF 4		

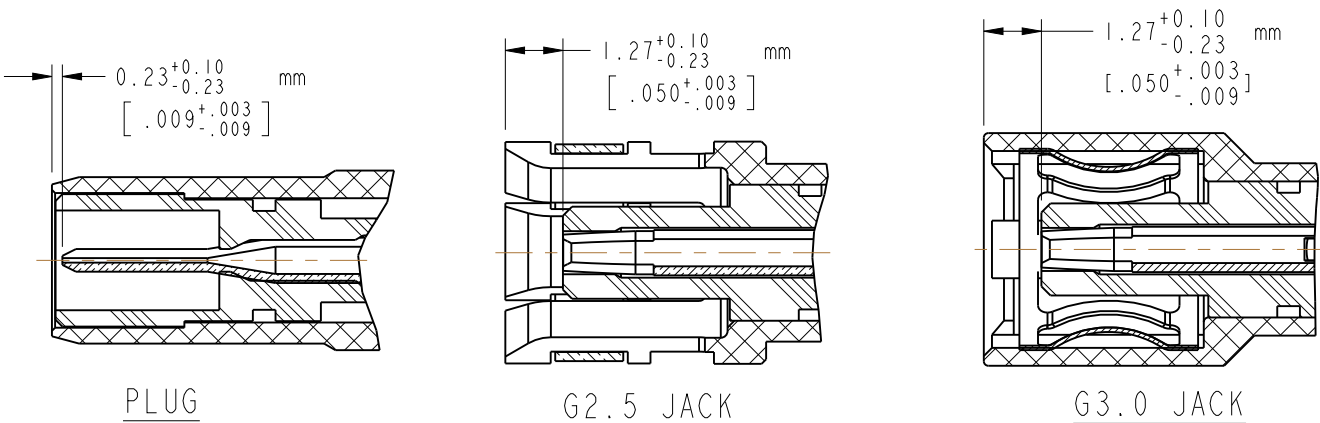
CABLE ASSEMBLY INSTRUCTIONS
FOR 2FAH, 2FDH, 3FAH & 3FDH SERIES PLUGS & JACKS



3. SLIDE FERRULE OVER THE PREPARED CABLE AS SHOWN. COMB OR FLARE OUT THE BRAID AND INSERT THE CONTACT, DIELECTRIC, AND FOIL (IF APPLIES) INTO THE REAR OF THE BODY SUB-ASSEMBLY, KEEPING THE BRAID OUTSIDE THE BODY UNTIL THE CONTACT MEETS THE DIMENSIONS SHOWN BELOW. DUE TO CABLE CONSTRUCTION, PROCESS VARIATION, OR PULL BACK (AFTER CRIMPING), IT MAY BE NECESSARY TO USE A MECHANICAL STOP ON THE INTERFACE SIDE OF THE CONNECTOR TO ASSURE THE CONTACT'S POSITION IS WITHIN TOLERANCE. GIVE A LIGHT PULL (2 LBS. MAX.) ON THE CABLE TO ASSURE THE CONTACT IS CAPTIVATED.



4. SLIDE FERRULE OVER THE BRAID UNTIL IT RESTS ON THE REAR SURFACE OF THE BODY. CRIMP THE FERRULE IN PLACE USING THE APPLICABLE HEX DIE AS SHOWN IN THE TABLE ON SHEET 1 BASED ON THE CABLE GROUP. THE FERRULE SHOULD BE CRIMPED AS CLOSE TO THE BODY AS POSSIBLE. CONFIRM THE CONTACT POSITION PER THE DIMENSIONS SHOWN BELOW.



PLUG

G2.5 JACK

G3.0 JACK

AMPHENOL CORPORATION

DANBURY, CONN.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES:
AND TOLERANCES ARE:

FRACTIONS DECIMALS ANGLES
± 1/64 ± .005 ± 1°

CODE IDENT.

74868

SCALE: NONE

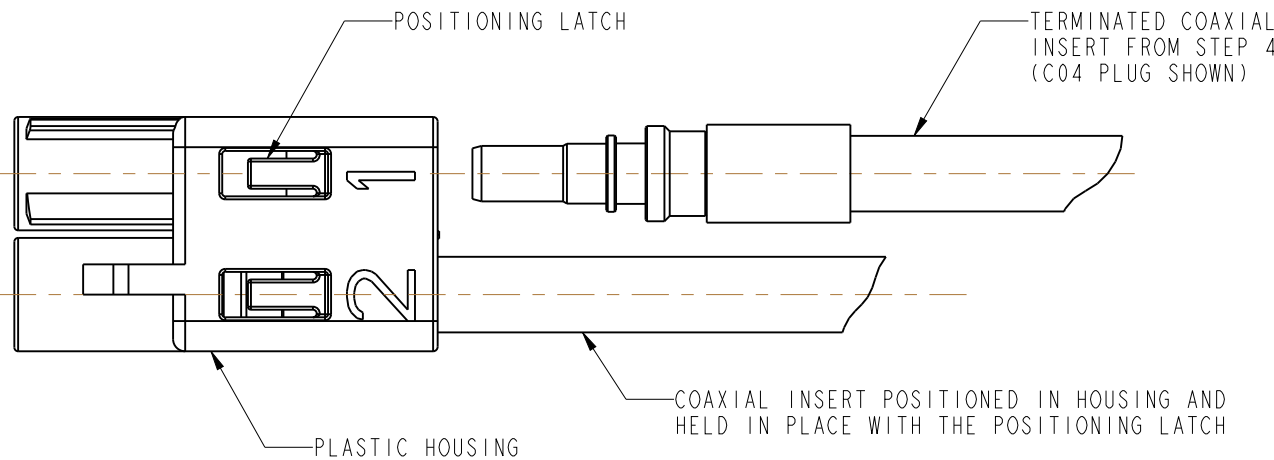
349-50767

REV

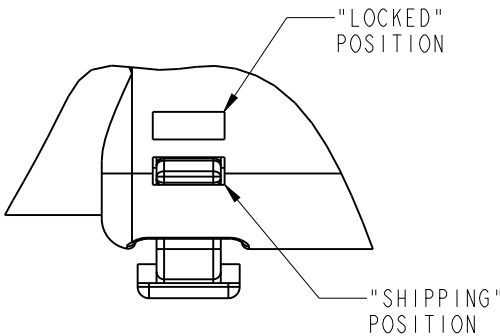
H

SHEET 3 OF 4

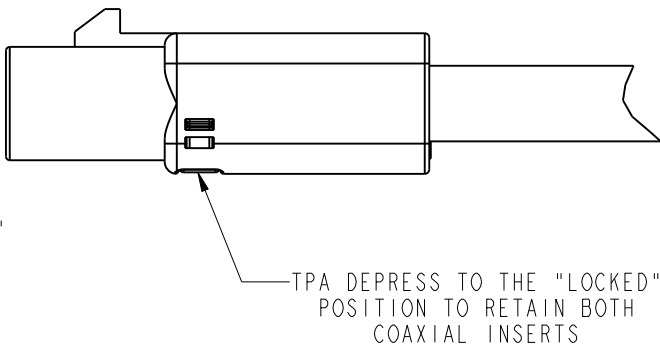
CABLE ASSEMBLY INSTRUCTIONS
FOR 2FAH, 2FDH, 3FAH & 3FDH SERIES PLUGS & JACKS



5. INSERT BOTH TERMINATED COAXIAL INSERTS (SEE NOTE 7) INTO THEIR RESPECTIVE PORT OPENINGS IN THE REAR OF THE PLASTIC HOUSING. THE BODY OF THE COAXIAL INSERT WILL STOP AGAINST A SURFACE INSIDE POSITIONING LATCH TEMPORARILY RETAIN THE COAXIAL INSERTS IN THE THE HOUSING. THE HOUSING UNTIL THE TPA CLIP (TERMINAL POSITION ASSURANCE) IS DEPRESSED INTO THE "LOCKED" POSITION.



DETAIL SHOWING THE TPA
IN THE "SHIPPING" POSITION
(PLUG CONNECTOR SHOWN)
SCALE 5.000



6. WITH BOTH THE TERMINATED COAXIAL INSERTS (SEE NOTE 7 FOR 2FDH & 3FDH HYBRID SERIES) INSTALLED INTO THE HOUSING, PLACE THE TOP OF THE CONNECTOR (OPPOSITE SIDE TO THE TPA) ON A RIGID SURFACE AND DEPRESS THE TPA TO THE "LOCKED" POSITION AS SHOWN ABOVE. ONCE "LOCKED", THE TPA WILL RETAIN BOTH COAXIAL INSERTS WITH MINIMUM RETENTION OF 110 NEWTONS.

7. SEE 349-50807 FOR DETAILED INSTRUCTIONS FOR TERMINATING AND INSTALLING THE DC CONTACTS & HOLDER OF THE 2FDH & 3FDH (HYBRID) SERIES.

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES:
AND TOLERANCES ARE:

FRACTIONS DECIMALS ANGLES
± 1/64 ± .005 ± 1°

CODE IDENT.

74868

SCALE: NONE

349-50767

REV

H

SHEET 4 OF 4