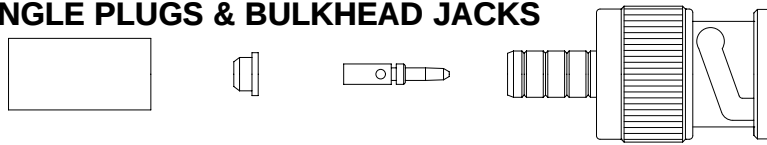


# Assembly Instructions-C26a BNC

Amphenol®

## 3-PIECE CRIMP ANGLE PLUGS & BULKHEAD JACKS



outer ferrule

bushing ◆

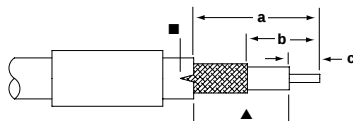
male contact

plug body assembly

◆ used with RG-62, 71, 210 cable only

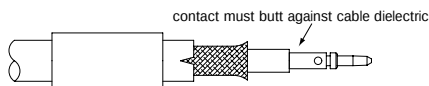
| Amphenol Number | Connector Type    | Cable RG-/U       | Hex Crimp Data     |                          |                           |                        | Stripping Dimensions, inches (mm) |             |            |
|-----------------|-------------------|-------------------|--------------------|--------------------------|---------------------------|------------------------|-----------------------------------|-------------|------------|
|                 |                   |                   | Cavity for Contact | Cavity for Outer Ferrule | Die Set for Tool 227-944* | CTL Series Tool Number | a                                 | b           | c          |
| 36800           | BNC Jack          | 58, 141           | .068(1.7)          | .213(5.4)                | 227-1221-11               | CTL-1                  | .593(15.1)                        | .250(6.4)   | .156(4.0)  |
| 36800-RFX       | BNC Jack          | 58, 141           | .068(1.7)          | .213(5.4)                | 227-1221-11               | CTL-1                  | .630(16.0)                        | .303(7.7)   | .156(4.0)  |
| 68150           | BNC Jack          | 59, 62, 140       | .068(1.7)          | .255(6.5)                | 227-1221-13               | CTL-1                  | .593(15.1)                        | .250(6.4)   | .156(4.0)  |
| 95700           | BNC Bulkhead Jack | 55, 142, 223      | .068(1.7)          | .213(5.4)                | 227-1221-11               | CTL-1                  | .593(15.1)                        | .250(6.4)   | .156(4.0)  |
| 31-245          | BNC Bulkhead Jack | 179, 187          | .068(1.7)          | .178(4.5)                | 227-1221-9                | CTL-2                  | .593(15.1)                        | .250(6.4)   | .156(4.0)  |
| 31-316          | BNC Angle Plug    | 174, 188, 316     | .068(1.7)          | .178(4.5)                | 227-1221-9                | CTL-2                  | .578(14.6)                        | .328(8.3)   | .125(3.1)  |
| 31-317          | BNC Jack          | 174, 188, 316     | .068(1.7)          | .178(4.5)                | 227-1221-9                | CTL-2                  | .593(15.1)                        | .250(6.4)   | .156(4.0)  |
| 31-318          | BNC Bulkhead Jack | 174, 188, 316     | .068(1.7)          | .178(4.5)                | 227-1221-9                | CTL-2                  | .593(15.1)                        | .250(6.4)   | .156(4.0)  |
| 31-318-RFX      | BNC Bulkhead Jack | 174, 188, 316     | .068(1.7)          | .178(4.5)                | 227-1221-9                | CTL-2                  | .630(16.0)                        | .362(9.2)   | .156(4.0)  |
| 31-318-1001     | BNC Bulkhead Jack | DBL. Br. 316      | .068(1.7)          | .178(4.5)                | 227-1221-9                | CTL-2                  | .593(15.1)                        | .250(6.4)   | .156(4.0)  |
| 31-245-RFX      | BNC Bulkhead Jack | 179, 187          | .068(1.7)          | .178(4.5)                | 227-1221-9                | CTL-2                  | .630(16.0)                        | .362(9.2)   | .156(4.0)  |
| 31-334          | BNC Angle Plug    | 55, 142, 223, 400 | .068(1.7)          | .213(5.4)                | 227-1221-11               | CTL-1                  | .578(14.6)                        | .328(8.3)   | .125(3.1)  |
| 31-335          | BNC Angle Plug    | 58, 141           | .068(1.7)          | .213(5.4)                | 227-1221-11               | CTL-1                  | .578(14.7)                        | .328(8.3)   | .125(3.2)  |
| 31-335-RFX      | BNC Angle Plug    | 58, 144           | .068(1.7)          | .213(5.4)                | 227-1221-11               | CTL-1                  | .677(17.2)                        | .350(8.9)   | .156(4.0)  |
| 31-336          | BNC Angle Plug    | 59, 62            | .068(1.7)          | .255(6.5)                | 227-1221-13               | CTL-1                  | .578(14.7)                        | .328(8.3)   | .125(3.2)  |
| 31-336-RFX      | BNC Angle Plug    | 59, 62            | .068(1.7)          | .255(6.5)                | 227-1221-13               | CTL-1                  | .677(17.2)                        | .350(8.9)   | .156(4.0)  |
| 31-342          | BNC Bulkhead Jack | 58, 141           | .068(1.7)          | .213(5.4)                | 227-1221-11               | CTL-1                  | .593(15.1)                        | .250(6.4)   | .156(4.0)  |
| 31-342-RFX      | BNC Bulkhead Jack | 58, 141, 142, 223 | .068(1.7)          | .213(5.4)                | 227-1221-11               | CTL-1                  | .689(17.5)                        | .362(9.2)   | .157(4.0)  |
| 31-343-1002     | BNC Bulkhead Jack | Pl. 59 (20 AWG)   | .068(1.7)          | .255(6.5)                | 227-1221-13               | CTL-1                  | .593(15.1)                        | .250(6.4)   | .156(4.0)  |
| 31-343-RFX      | BNC Bulkhead Jack | 59, 62, 140, 210  | .068(1.7)          | .255(6.5)                | 227-1221-11               | CTL-1                  | .689(17.5)                        | .362(9.2)   | .157(4.0)  |
| 31-4327         | BNC Jack          | 58, 141           | .068(1.7)          | .213(5.4)                | 227-1221-11               | CTL-1                  | .593(15.1)                        | .250(6.4)   | .156(4.0)  |
| 31-5911-RFX     | BNC Angle Plug    | 58, 141           | Solder             | .213                     | 227-1221-11               | CTL-1,3,5              | .709(18.0)                        | .382(9.7)   | .161(4.1)  |
| 31-5914-RFX     | BNC Angle Plug    | 59                | Solder             | .255                     | 227-1221-13               | CTL-1,5,6,8            | .709(18.0)                        | .382(9.7)   | .161(4.1)  |
| 31-5991-RFX     | BNC Angle Plug    | 316               | Solder             | .128                     | 227-1221-3                | CTL-9,13               | .618(15.7)                        | .350(8.9)   | .157(4.0)  |
| 31-316-RFX      | BNC Angle Plug    | 316               | Solder             | .128                     | 227-1221-3                | CTL-9,13               | .618(15.7)                        | .350(8.9)   | .157(4.0)  |
| 31-70239        | BNC Angle Plug    | 734A              | .042               | .255                     | —                         | CTL-14                 | .630 (16.0)                       | .303 (7.7)  | .157 (4.0) |
| 31-70240        | BNC Angle Plug    | 735A              | .042               | .187                     | —                         | CTL-15                 | .630 (16.0)                       | .303 (7.7)  | .157 (4.0) |
| 31-70234        | BNC Plug          | Beld 1694         | .042               | .319                     | —                         | CTL-14                 | .630 (16.0)                       | .303 (7.7)  | .157 (4.0) |
| 31-70235        | BNC Plug          | Beld 8281         | .042               | .324                     | —                         | CTL-14                 | .630 (16.0)                       | .303 (7.7)  | .157 (4.0) |
| 31-70236        | BNC Plug          | Beld 8218         | .042               | .178                     | —                         | CTL-15                 | .630 (16.0)                       | .303 (7.7)  | .157 (4.0) |
| 31-70237        | BNC Plug          | 734A              | .042               | .255                     | —                         | CTL-14                 | .630 (16.0)                       | .303 (7.7)  | .157 (4.0) |
| 31-70238        | BNC Plug          | 735A              | .042               | .187                     | —                         | CTL-15                 | .630 (16.0)                       | .303 (7.7)  | .157 (4.0) |
| 31-315-RFX      | BNC Plug          | 174,188,316       | .068               | .178                     | 227-1221-9                | CTL-2                  | .593 (15.1)                       | .250 (6.4)  | .156 (4.0) |
| 31-317-RFX      | BNC Jack          | 174,188,316       | .068               | .178                     | 227-1221-9                | CTL-2                  | .634 (16.1)                       | .303 (7.7)  | .156 (4.0) |
| 31-335-RFX      | BNC Angle Plug    | 58,141,142        | .068               | .213                     | 227-1221-11               | CTL-1,5                | .677 (17.2)                       | .350 (8.9)  | .157 (4.0) |
| 31-5998-RFX     | BNC Plug          | B8214,B9913,B9914 | .118               | .429                     | 227-1221-61               | CTL-11                 | .630 (16)                         | .303 (7.7)  | .157 (4.0) |
| 31-5999-RFX     | BNC Plug          | 8x,LMR240         | .068               | .255                     | 227-1221-13               | CTL-1,5                | .630 (16)                         | .303 (7.7)  | .157 (4.0) |
| 31-6004-RFX     | BNC Angle Plug    | B9913,B9914       | Solder             | .429                     | 227-1221-25               | CTL-4                  | .728 (18.5)                       | .401 (10.2) | .244 (6.2) |
| 31-6005-RFX     | BNC Angle Plug    | 8x,LMR240         | Solder             | .255                     | 227-1221-13               | CTL-1,5                | .728 (18.5)                       | .401 (10.2) | .244 (6.2) |
| 31-6006         | BNC Plug          | 8x,LMR240         | .068               | .255                     | 227-1221-13               | CTL-1,5                | .593 (15.1)                       | .250 (6.4)  | .156 (4.0) |

### Step 1

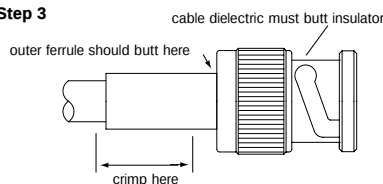


■ ▲ For RG-174, 179, 187, 188, 316/U cables only, slit jacket back .100" (2.5mm) as shown. Before attaching center contact, slide metal spacer/TFE sleeve (not shown) over cable dielectric and under braid. The center contact should butt against the dielectric and TFE sleeve.

### Step 2



### Step 3



### Step 1

Strip cable jacket, braid, and dielectric to dimensions in table above. [for RG-62,71,210/U cable, trim an additional .039" (1.0mm) of insulation off center conductor and add bushing] All cuts are to be sharp and square. Important: Do not nick braid, dielectric, and center conductor. Slide outer ferrule onto cable as shown.

### Step 2

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 that it butts against cable dielectric. Crimp contact in place using Die Set Cavity indicated in table above. When using RG-62, 71, 210 cable, install bushing onto center conductor before installing contact.

### Step 3

Install cable assembly into body assembly so that 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.

\* for pneumatic crimp tool 227-60, use die sets indicated in this column