



**SUHNER**

**RF-Connectors**

**Series C**

**HUBER+SUHNER Ltd, CH-9100 Herisau / Switzerland**

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## 1. General Data

Moisture-proof, splash-proof, non-corrosive.  
Metal parts silver-plated and passivated.  
Insulation: Teflon (P.T.F.E.).  
Seals: silicone rubber.  
Spring Contacts: Bushes from beryllium bronze.  
Outer conductors: phosphor bronze.  
Inner Contacts: loose or captive.

**Impedance:** 50 ohms, 75 ohms, electrically matched.

*In order to obtain correct electrical matching, it is imperative to mate only connectors of the same impedance.*

### Application

Where several type 'C' connectors are used on the same instruments in close proximity (picture signals – sound signals) Suhner series 'J' connectors help to prevent wrong connections.

**Frequency Range:** up to 10000 Mc/s.

**Operating Voltage:** up to 1 kVeff for higher voltages see series H1, H3

**Temperatur Limit:** up to 480°F/250°C

**Cable-Entry Size:** .177"....885" dia.  
(4,5 mm...22,5 mm)

## 2. Suitable Cables

| Cable types<br>Examples                                                                                                                                            | Dielectric<br>dia. inches | Screen |                          | Sheath<br>max. dia.<br>inches | Suitable types<br>'C' connectors                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------|--------------------------|-------------------------------|--------------------------------------------------|
|                                                                                                                                                                    |                           | number | dia. inches              |                               |                                                  |
| <b>RG-58 C/U</b><br><b>RG-141 A/U</b><br><b>RG-142 A/U</b><br><b>UR 76</b><br><b>G 03232</b><br><b>G 03233</b><br><b>96 IEC-50-3-1</b>                             | .116<br>(2,95 mm)         | 1      | .165<br>(4,2 mm)<br>max. | .209<br>(5,3 mm)              | ... <b>C-50-3-...</b><br>... <b>C-75-3-...</b>   |
| <b>RG-141A/U-1</b><br><b>RG-303/U</b>                                                                                                                              | .116<br>(2,95 mm)         | 1      | .142<br>(3,6 mm)         | .181<br>(4,6 mm)              | ... <b>C-50-3-...</b>                            |
| <b>RG-223/U</b><br><b>RG-55 A/U</b><br><b>G 03232d</b><br><b>G 03233d</b><br><b>96 IEC-50-3-5</b>                                                                  | .116<br>(2,95 mm)         | 2      | .165<br>(4,2 mm)         | .228<br>(5,8 mm)              | ... <b>C-50-3-...</b><br>... <b>C-75-3-...</b>   |
| <b>RG-59 B/U</b><br><b>RG-62 A/U</b><br><b>RG-140/U</b><br><b>UR 90</b><br><b>G 04233-1</b><br><b>96 IEC-50-4-1</b>                                                | .146<br>(3,7 mm)          | 1      | .177<br>(4,5 mm)         | .252<br>(6,4 mm)              | ... <b>C-50-4-...</b><br>... <b>C-75-4-...</b>   |
| <b>G 04233d</b><br><b>96 IEC-75-4-2</b>                                                                                                                            | .146<br>(3,7 mm)          | 2      | .205<br>(5,2 mm)         | .272<br>(6,9 mm)              | ... <b>C-75-4-...</b>                            |
| <b>RG-6 A/U</b><br><b>RG-212/U</b><br><b>RG-222/U</b><br><b>RG-143 A/U</b>                                                                                         | .185<br>(4,7 mm)          | 1      | .244<br>(6,2 mm)         | .339<br>(8,6 mm)              | ... <b>C-50-5-...</b><br>... <b>C-75-5-...</b>   |
| <b>RG-11 A/U</b><br><b>RG-213/U</b><br><b>RG-144/U</b><br><b>RG-165/U</b><br><b>96 IEC-50-7-1</b><br><b>96 IEC-75-7-1</b><br><b>RG-225/U-1</b><br><b>RG-63 B/U</b> | .285<br>(7,25 mm)         | 1      | .320<br>(8,1 mm)         | .413<br>(10,8 mm)             | ... <b>C-50-7-...</b><br>... <b>C-75-7-...</b>   |
| <b>RG-214/U</b><br><b>RG-216/U</b><br><b>RG-225/U</b><br><b>96 IEC-50-7-3</b><br><b>96 IEC-75-7-3</b>                                                              | .285<br>(7,25 mm)         | 2      | .343<br>(8,7 mm)         | .441<br>(11,3 mm)             | ... <b>C-50-7-...</b><br>... <b>C-75-7-...</b>   |
| <b>RG-165/U-1</b><br><b>RG-144/U-1</b>                                                                                                                             | .285<br>(7,25 mm)         | 1      | .320<br>(8,1 mm)         | .390<br>(9,9 mm)              | ... <b>C-50-7-...</b><br>... <b>C-75-7-...</b>   |
| <b>RG-217/U</b>                                                                                                                                                    | .370<br>(9,4 mm)          | 1      | .441<br>(11,3 mm)        | .551<br>(14,0 mm)             | ... <b>C-50-9-...</b>                            |
| <b>G 12232</b><br><b>G 12233</b><br><b>96 IEC-50-12-1</b>                                                                                                          | .453<br>(11,5 mm)         | 1      | .488<br>(12,4 mm)        | .610<br>(15,5 mm)             | ... <b>C-50-12-...</b><br>... <b>C-75-12-...</b> |
| <b>RG-218/U</b><br><b>RG-164/U</b><br><b>96 IEC-50-17-1</b><br><b>96 IEC-75-17-1</b>                                                                               | .681<br>(17,3 mm)         | 1      | .728<br>(18,5 mm)        | .885<br>(22,5 mm)             | ... <b>C-50-17-...</b><br>... <b>C-75-17-...</b> |

3. Cable-Entry Construction

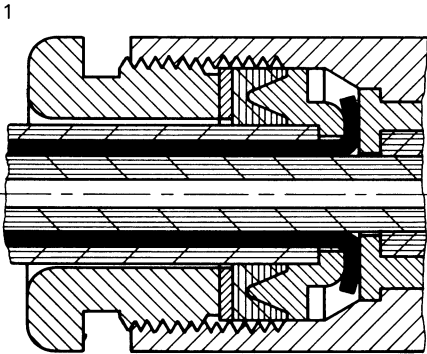
This standard execution ensures a reliable and non-ageing clamping of the cable. When fitting the cable-entry nut, the V-groove silicone rubber gasket is split by a clamp and is pressed laterally against the cable jacket and the connector body. This ensures a permanent moisture- and splash-proof seal. (See illustration 1). Some connector types have a cylindrical gasket. They are clearly marked in the catalog lists.

FUK/GUK Cable-Entry Constructions

These particularly robust, tear-proof and twist-proof cable-entry constructions can be fitted to nearly all connector bodies (see illustrations 2 and 3).

The following FUK/GUK types are available:

| Types                | FUK 0350        | FUK 0358        | GUK 0461       | GUK 0586       | GUK 0796        | GUK 07103       | GUK 07108       |
|----------------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|
| Screen               | single          | double          | single         | double         | single          | single          | double          |
| Dia. over dielectric | .116" (2,95 mm) | .116" (2,95 mm) | .146" (3,7 mm) | .189" (4,8 mm) | .285" (7,25 mm) | .285" (7,25 mm) | .285" (7,25 mm) |
| O.D. of cable        | .197" (5,0 mm)  | .228" (5,8 mm)  | .240" (6,1 mm) | .339" (8,6 mm) | .378" (9,6 mm)  | .406" (10,3 mm) | .425" (10,8 mm) |
| Cable examples       | RG-58 C/U       | RG-223/U        | RG-59 B/U      | RG-6 A/U       | RG-144/U-1      | RG-213/U        | RG-214/U        |



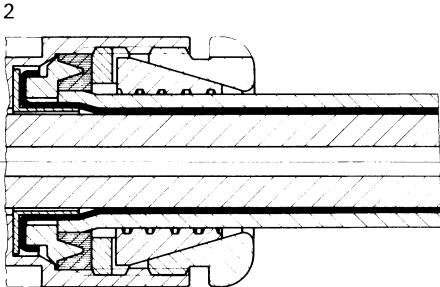
Cable-entry construction

Suitable tools are available for the assembly of FUK/GUK cable-entry construction (see 4.)

Example of ordering a plug with tear-proof cable-entry construction, with captive contact pin, for the 75 ohms cable RG-59 B/U:  
11C-75-4-1C with GUK 0461

FK/GK Armour-Clamps

The FK/GK armour-clamps permit a neat and functional fitting of 'C' connectors to armoured cables. The FK/GK armour-clamps can be fitted to nearly all connector bodies (see illustration 4).



Cable-entry construction with FUK

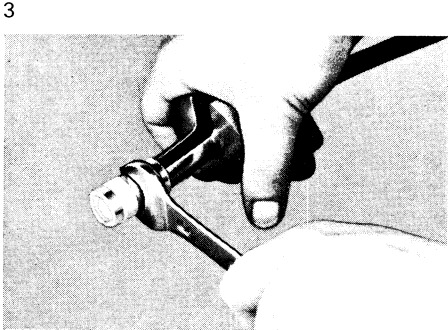
The following FK/GK armour-clamps are available:

**FK 50** for armoured cable, dia. over sheath .197" (G 03243)

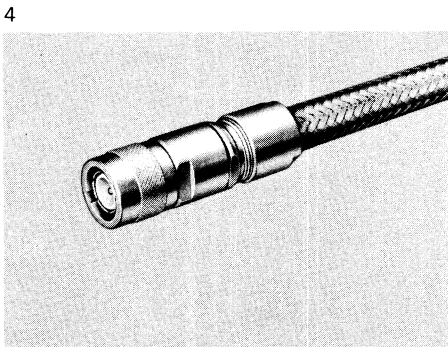
**FK 61** for armoured cable, dia. over sheath .240" (G 04243)

**GK103** for armoured cable, dia. over sheath .406" (RG-215/U)

**GK 220** for armoured cable, dia. over sheath .866" (RG-219/U)



Assembly of FUK cable-entry construction



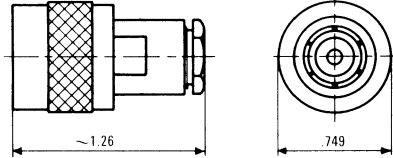
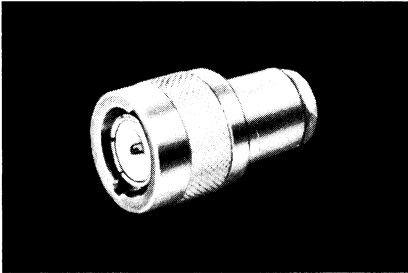
11C-50-7-3 with GK 103 fitted to cable RG-215/U

4. Tools

|                    |                                                                                  | Type number |
|--------------------|----------------------------------------------------------------------------------|-------------|
| Open-ended spanner | .433"/11 mm for cable-entry construction type 2, material thickness .118" (3 mm) | 74 Z-0-0-2  |
| Open-ended spanner | .630"/16 mm for cable-entry construction type 2, material thickness .158" (4 mm) | 74 Z-0-0-3  |
| Special tool       | for FUK cable entries (illustration 3)                                           | 74 Z-0-0-4  |
| Special tool       | for GUK cable entries (illustration 3)                                           | 74 Z-0-0-5  |

# Plug 50 Ω

for cable dia. up to .252"



| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |              | assembly<br>instruction<br>number | notes                   |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|--------------|-----------------------------------|-------------------------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example      |                                   |                         |
| 11C-50-3-4  | UG-709B/U   | 5935-99-<br>580-2595    | loose             |                  | .209               | .116                  | 1      | RG-58 C/U    | 3016                              |                         |
| 11C-50-3-5C |             |                         | captive           |                  | .209               | .116                  | 1      | RG-58 C/U    | 3017                              |                         |
| 11C-50-3-2C |             |                         | captive           |                  | .236               | .116                  | 2      | RG-223/U     | 3017                              |                         |
| 11C-50-3-6C |             |                         | captive           |                  | .181               | .116                  | 1      | RG-141 A/U-1 | 3017                              | with cylindrical gasket |
| 11C-50-4-1  | UG-627B/U   |                         | loose             |                  | .252               | .146                  | 1      | RG-59 B/U    | 3016                              |                         |
| 11C-50-4-2C |             |                         | captive           |                  | .252               | .146                  | 1      | RG-59 B/U    | 3017                              |                         |

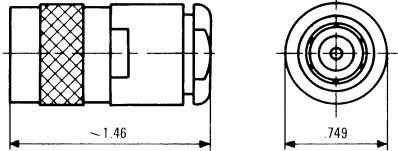
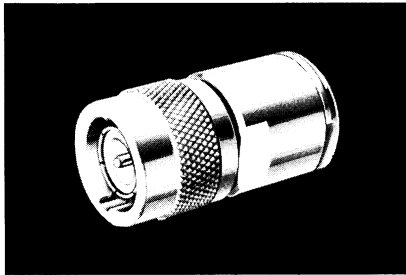
# Plug 75 Ω

for cable dia. up to .272"

| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |           | assembly<br>instruction<br>number | notes |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|-----------|-----------------------------------|-------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example   |                                   |       |
| 11C-75-3-1C |             |                         | captive           |                  | .209               | .116                  | 1      | G 03233   | 3017                              |       |
| 11C-75-3-2C |             |                         | captive           |                  | .236               | .116                  | 2      | G 03233d  | 3017                              |       |
| 11C-75-4-1C |             |                         | captive           |                  | .252               | .146                  | 1      | RG-59 B/U | 3017                              |       |
| 11C-75-4-2C |             |                         | captive           |                  | .272               | .146                  | 2      | G 04233d  | 3017                              |       |

# Plug 50 Ω

for cable dia. up to .445"



| Suhner Type  | US-MIL-Type           | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |            | assembly<br>instruction<br>number | notes                   |
|--------------|-----------------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|------------|-----------------------------------|-------------------------|
|              |                       |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example    |                                   |                         |
| 11C-50-5-1   | UG-626 B/U            | 5935-99-972-1088        | loose             |                  | .338               | .189                  | 2      | RG-222/U   | 3044                              |                         |
| 11C-50-5-2C  |                       |                         | captive           |                  | .338               | .189                  | 2      | RG-222/U   | 3045                              |                         |
| 11C-50-7-3   | UG-573 B/U<br>similar | 5935-99-932-5852        | loose             |                  | .425               | .285                  | 1      | RG-213/U   | 3007                              |                         |
| 11C-50-7-4C  |                       | 5935-99-580-7060        | captive           |                  | .425               | .285                  | 1      | RG-213/U   | 3008                              |                         |
| 11C-50-7-5   | UG-573 B/U            |                         | loose             |                  | .445               | .285                  | 2      | RG-214/U   | 3007                              |                         |
| 11C-50-7-6C  |                       |                         | captive           |                  | .445               | .285                  | 2      | RG-214/U   | 3008                              |                         |
| 11C-50-7-9   |                       |                         | loose             |                  | .390               | .285                  | 1      | RG-165/U-1 | 3007                              | with cylindrical gasket |
| 11C-50-7-10C |                       |                         | captive           |                  | .390               | .285                  | 1      | RG-165/U-1 | 3008                              |                         |

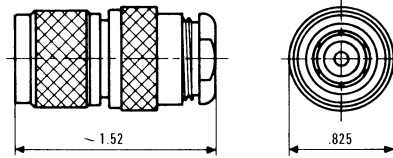
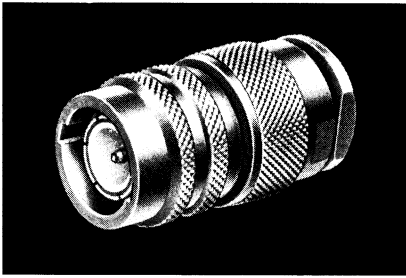
# Plug 75 Ω

for cable dia. up to .445"

| Suhner Type  | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |            | assembly<br>instruction<br>number | notes                   |
|--------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|------------|-----------------------------------|-------------------------|
|              |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example    |                                   |                         |
| 11C-75-5-1C  |             |                         | captive           |                  | .338               | .189                  | 2      | RG-6 A/U   | 3045                              |                         |
| 11C-75-7-1   |             | 5935-99-920-9015        | loose             |                  | .425               | .285                  | 1      | RG-11 A/U  | 3007                              |                         |
| 11C-75-7-2C  |             | 5935-99-952-1980        | captive           |                  | .425               | .285                  | 1      | RG-11 A/U  | 3008                              |                         |
| 11C-75-7-3   |             |                         | loose             |                  | .445               | .285                  | 2      | RG-216/U   | 3007                              |                         |
| 11C-75-7-4C  |             |                         | captive           |                  | .445               | .285                  | 2      | RG-216/U   | 3008                              |                         |
| 11C-75-7-9   |             |                         | loose             |                  | .390               | .285                  | 1      | RG-144/U-1 | 3007                              | with cylindrical gasket |
| 11C-75-7-10C |             |                         | captive           |                  | .390               | .285                  | 1      | RG-144/U-1 | 3008                              |                         |

## Plug 50 Ω

with quick-screw locking device  
for cable dia. up to .445"



| Suhner Type        | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |          | assembly<br>instruction<br>number | notes |
|--------------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|----------|-----------------------------------|-------|
|                    |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example  |                                   |       |
| <b>11C-50-7-1</b>  |             |                         | loose             |                  | .425               | .285                  | 1      | RG-213/U | 3007                              |       |
| <b>11C-50-7-2C</b> |             |                         | captive           |                  | .425               | .285                  | 1      | RG-213/U | 3008                              |       |
| <b>11C-50-7-7</b>  |             |                         | loose             |                  | .445               | .285                  | 2      | RG-214/U | 3007                              |       |
| <b>11C-50-7-8C</b> |             |                         | captive           |                  | .445               | .285                  | 2      | RG-214/U | 3008                              |       |

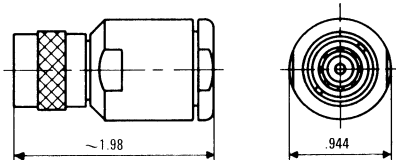
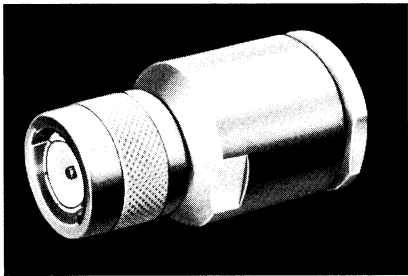
## Plug 75 Ω

with quick-screw locking device  
for cable dia. up to .445"

| Suhner Type        | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |           | assembly<br>instruction<br>number | notes |
|--------------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|-----------|-----------------------------------|-------|
|                    |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example   |                                   |       |
| <b>11C-75-7-5</b>  |             |                         | loose             |                  | .425               | .285                  | 1      | RG-11 A/U | 3007                              |       |
| <b>11C-75-7-6C</b> |             |                         | captive           |                  | .425               | .285                  | 1      | RG-11 A/U | 3008                              |       |
| <b>11C-75-7-7</b>  |             |                         | loose             |                  | .445               | .285                  | 2      | RG-216/U  | 3007                              |       |
| <b>11C-75-7-8C</b> |             |                         | captive           |                  | .445               | .285                  | 2      | RG-216/U  | 3008                              |       |

# Plug 50 Ω

for cable dia. up to .610"



| Suhner Type  | US-MIL- Type          | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |          | assembly<br>instruction<br>number | notes                                    |
|--------------|-----------------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|----------|-----------------------------------|------------------------------------------|
|              |                       |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example  |                                   |                                          |
| 11C-50-9-2C  | UG-707 B/U<br>similar |                         | captive           |                  | .563               | .370                  | 1      | RG-217/U | 3020                              | centre contact of UG-707 B/U<br>is loose |
| 11C-50-12-1  |                       |                         | loose             |                  | .610               | .453                  | 1      | G 12232  | 3019                              | with cylindrical gasket                  |
| 11C-50-12-2C |                       |                         | captive           |                  | .610               | .453                  | 1      | G 12232  | 3020                              |                                          |

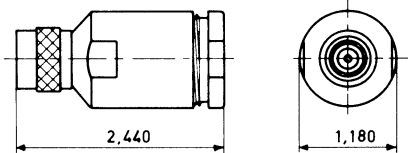
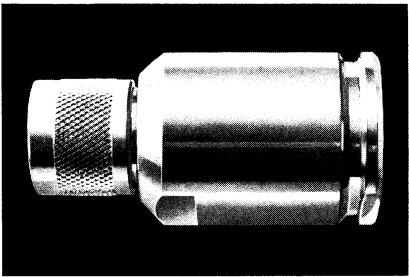
# Plug 75 Ω

for cable dia. up to .610"

| Suhner Type  | US-MIL- Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |         | assembly<br>instruction<br>number | notes                   |
|--------------|--------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------|-----------------------------------|-------------------------|
|              |              |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example |                                   |                         |
| 11C-75-12-1  |              |                         | loose             |                  | .610               | .453                  | 1      | G 12233 | 3019                              | with cylindrical gasket |
| 11C-75-12-2C |              |                         | captive           |                  | .610               | .453                  | 1      | G 12233 | 3020                              |                         |

# Plug 50 Ω

for cable dia. up to .887"



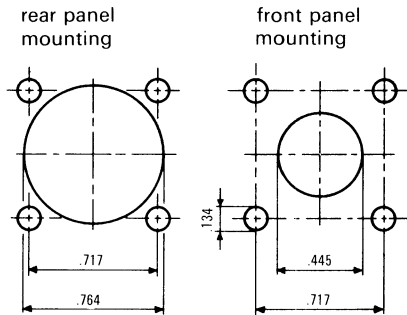
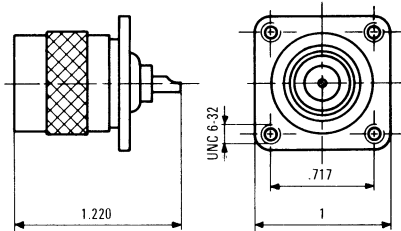
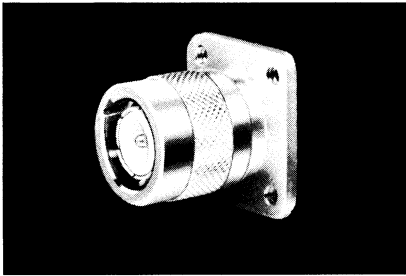
| Suhner Type  | US-MIL-Type           | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |          | assembly<br>instruction<br>number | notes                                                      |
|--------------|-----------------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|----------|-----------------------------------|------------------------------------------------------------|
|              |                       |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example  |                                   |                                                            |
| 11C-50-17-1C |                       |                         | captive           |                  | .887               | .681                  | 1      | RG-218/U | 3022                              | with quick screw locking device<br>with cylindrical gasket |
| 11C-50-17-2  | UG-708 B/U<br>similar | 5935-99-<br>901-6860    | loose             |                  | .887               | .681                  | 1      | RG-218/U | 3021                              | with cylindrical gasket<br>UG-708 B/U is 2.13" long        |
| 11C-50-17-3C |                       |                         | captive           |                  | .887               | .681                  | 1      | RG-218/U | 3022                              | with cylindrical gasket                                    |

# Plug 75 Ω

for cable dia. up to .887"

| Suhner Type  | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |          | assembly<br>instruction<br>number | notes                                                      |
|--------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|----------|-----------------------------------|------------------------------------------------------------|
|              |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example  |                                   |                                                            |
| 11C-75-17-1C |             |                         | captive           |                  | .887               | .681                  | 1      | RG-164/U | 3022                              | with quick screw locking device<br>with cylindrical gasket |
| 11C-75-17-2  |             |                         | loose             |                  | .887               | .681                  | 1      | RG-164/U | 3021                              | with cylindrical gasket                                    |
| 11C-75-17-3C |             |                         | captive           |                  | .887               | .681                  | 1      | RG-164/U | 3022                              |                                                            |

Male Panel Receptacle 50 Ω



screws see page C.21

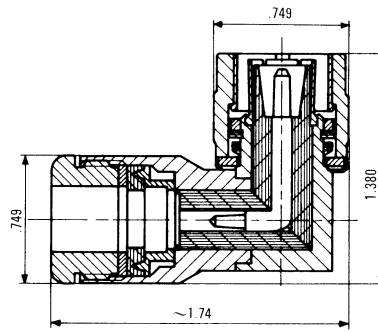
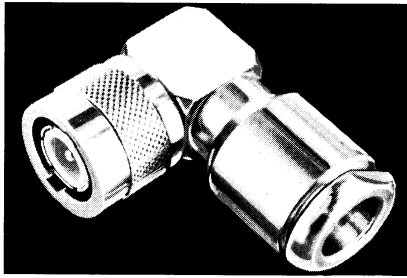
| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |         | assembly<br>instruction<br>number | notes                        |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------|-----------------------------------|------------------------------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example |                                   |                              |
| 13C-50-0-1  |             |                         |                   |                  |                    |                       |        |         |                                   | 4 threaded holes UNC 6-32    |
| 13C-50-0-2  |             |                         |                   |                  |                    |                       |        |         |                                   | 4 clearance holes dia. .134" |

Male Panel Receptacle 75 Ω

| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |         | assembly<br>instruction<br>number | notes                        |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------|-----------------------------------|------------------------------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example |                                   |                              |
| 13C-75-0-1  |             |                         |                   |                  |                    |                       |        |         |                                   | 4 threaded holes UNC 6-32    |
| 13C-75-0-2  |             |                         |                   |                  |                    |                       |        |         |                                   | 4 clearance holes dia. .134" |

## Angle Plug 50 Ω

for cable dia. up to .445"



| Suhner Type        | US-MIL-Type                  | NATO Type equivalent    | centre contact | pressurized | cable        |                    |        |           | assembly instruction number | notes                                          |
|--------------------|------------------------------|-------------------------|----------------|-------------|--------------|--------------------|--------|-----------|-----------------------------|------------------------------------------------|
|                    |                              |                         |                |             | dia. max. in | dielectric dia. in | screen | example   |                             |                                                |
| <b>16C-50-3-1</b>  |                              |                         | loose          |             | .209         | .116               | 1      | RG-58 C/U | 3044                        | fully teflon-insulated with cylindrical gasket |
| <b>16C-50-3-2C</b> |                              |                         | captive        |             | .209         | .116               | 1      | RG-58 C/U | 3045                        |                                                |
| <b>16C-50-3-3</b>  |                              |                         | loose          |             | .236         | .116               | 2      | RG-223/U  | 3044                        |                                                |
| <b>16C-50-3-4C</b> |                              |                         | captive        |             | .236         | .116               | 2      | RG-223/U  | 3045                        |                                                |
| <b>16C-50-4-1</b>  |                              |                         | loose          |             | .252         | .146               | 1      | RG-59 B/U | 3044                        |                                                |
| <b>16C-50-4-2C</b> |                              |                         | captive        |             | .252         | .146               | 1      | RG-59 B/U | 3045                        |                                                |
| <b>16C-50-5-1</b>  |                              |                         | loose          |             | .338         | .189               | 2      | RG-222/U  | 3044                        | fully teflon-insulated                         |
| <b>16C-50-5-2C</b> |                              |                         | captive        |             | .338         | .189               | 2      | RG-222/U  | 3045                        |                                                |
| <b>16C-50-7-2C</b> |                              | 5935-99-972-4214        | captive        |             | .425         | .285               | 1      | RG-213/U  | 3009                        | partly air-insulated                           |
| <b>16C-50-7-3C</b> |                              | 5935-99-914-3033        | captive        |             | .445         | .285               | 2      | RG-214/U  | 3009                        |                                                |
| <b>16C-50-7-4</b>  | <b>UG-710 B/U</b><br>similar | <b>5935-99-199-0832</b> | loose          |             | .425         | .285               | 1      | RG-213/U  | 3007                        | fully teflon-insulated                         |
| <b>16C-50-7-5C</b> |                              | 5935-99-580-7259        | captive        |             | .425         | .285               | 1      | RG-213/U  | 3008                        |                                                |
| <b>16C-50-7-6</b>  | <b>UG-710B/U</b>             |                         | loose          |             | .445         | .285               | 2      | RG-214/U  | 3007                        |                                                |
| <b>16C-50-7-7C</b> |                              |                         | captive        |             | .445         | .285               | 2      | RG-214/U  | 3008                        |                                                |

## Angle Plug 75 Ω

for cable dia. up to .445"

| Suhner Type        | US-MIL-Type | NATO Type equivalent | centre contact | pressurized | cable        |                    |        |           | assembly instruction number | notes                                          |
|--------------------|-------------|----------------------|----------------|-------------|--------------|--------------------|--------|-----------|-----------------------------|------------------------------------------------|
|                    |             |                      |                |             | dia. max. in | dielectric dia. in | screen | example   |                             |                                                |
| <b>16C-75-3-1</b>  |             |                      | loose          |             | .209         | .116               | 1      | G 03233   | 3044                        | fully teflon-insulated with cylindrical gasket |
| <b>16C-75-3-2C</b> |             |                      | captive        |             | .209         | .116               | 1      | G 03233   | 3045                        |                                                |
| <b>16C-75-4-1</b>  |             |                      | loose          |             | .252         | .146               | 1      | RG-59 B/U | 3044                        |                                                |
| <b>16C-75-4-2C</b> |             |                      | captive        |             | .252         | .146               | 1      | RG-59 B/U | 3045                        |                                                |

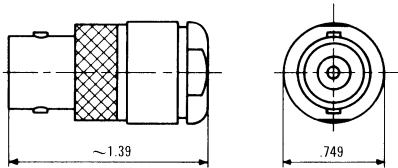
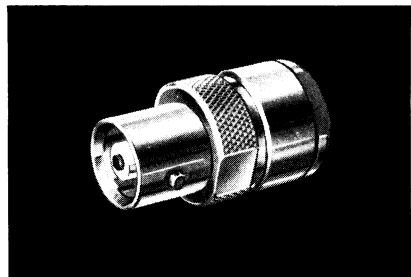
Continued on the following page

Angle Plug 50 Ω for cable dia. up to .445", continued

| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |           | assembly<br>instruction<br>number | notes                  |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|-----------|-----------------------------------|------------------------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example   |                                   |                        |
| 16C-75-5-1  |             |                         | loose             |                  | .338               | .189                  | 2      | RG-6 A/U  | 3044                              | fully teflon-insulated |
| 16C-75-5-2C |             |                         | captive           |                  | .338               | .189                  | 2      | RG-6 A/U  | 3045                              |                        |
| 16C-75-7-1C |             |                         | captive           |                  | .425               | .285                  | 1      | RG-11 A/U | 3009                              | partly air-insulated   |
| 16C-75-7-2C |             |                         | captive           |                  | .445               | .285                  | 2      | RG-216/U  | 3009                              |                        |
| 16C-75-7-3  |             | 5935-99-<br>914-3033    | loose             |                  | .425               | .285                  | 1      | RG-11 A/U | 3007                              | fully teflon-insulated |
| 16C-75-7-4C |             | 5935-99-<br>955-5911    | captive           |                  | .425               | .285                  | 1      | RG-11 A/U | 3008                              |                        |
| 16C-75-7-5  |             |                         | loose             |                  | .445               | .285                  | 2      | RG-216/U  | 3007                              |                        |
| 16C-75-7-6C |             |                         | captive           |                  | .445               | .285                  | 2      | RG-216/U  | 3008                              |                        |

Jack 75 Ω

for cable dia. up to .445"



| Suhner Type | US-MIL-Type           | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |               | assembly<br>instruction<br>number | notes                   |
|-------------|-----------------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------------|-----------------------------------|-------------------------|
|             |                       |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example       |                                   |                         |
| 21C-50-3-1  |                       |                         | loose             |                  | .209               | .116                  | 1      | RG-58 C/U     | 3044                              | with cylindrical gasket |
| 21C-50-3-2C |                       |                         | captive           |                  | .209               | .116                  | 1      | RG-58 C/U     | 3045                              |                         |
| 21C-50-3-3C |                       |                         | captive           |                  | .181               | .116                  | 1      | RG-141- A/U-1 | 3045                              |                         |
| 21C-50-3-4  |                       |                         | loose             |                  | .236               | .116                  | 2      | RG-223/U      | 3044                              |                         |
| 21C-50-3-5C |                       |                         | captive           |                  | .236               | .116                  | 2      | RG-223/U      | 3045                              |                         |
| 21C-50-4-1  |                       |                         | loose             |                  | .252               | .146                  | 1      | RG-59 B/U     | 3044                              |                         |
| 21C-50-4-2C |                       |                         | captive           |                  | .252               | .146                  | 1      | RG-59 B/U     | 3045                              |                         |
| 21C-50-5-1  | UG-633A/U             |                         | loose             |                  | .338               | .189                  | 2      | RG-222/U      | 3044                              |                         |
| 21C-50-5-2C |                       |                         | captive           |                  | .338               | .189                  | 2      | RG-222/U      | 3045                              |                         |
| 21C-50-7-1  | UG-572 A/U<br>similar | 5935-99-<br>199-0831    | loose             |                  | .425               | .285                  | 1      | RG-213/U      | 3007                              |                         |
| 21C-50-7-2C |                       |                         | captive           |                  | .425               | .285                  | 1      | RG-213/U      | 3008                              |                         |
| 21C-50-7-3  | UG-572 A/U            |                         | loose             |                  | .445               | .285                  | 2      | RG-214/U      | 3007                              |                         |
| 21C-50-7-4C |                       |                         | captive           |                  | .445               | .285                  | 2      | RG-214/U      | 3008                              |                         |
| 21C-50-7-5  |                       |                         | loose             |                  | .390               | .285                  | 1      | RG-165/U-1    | 3007                              | with cylindrical gasket |
| 21C-50-7-6C |                       |                         | captive           |                  | .390               | .285                  | 1      | RG-165/U-1    | 3008                              |                         |

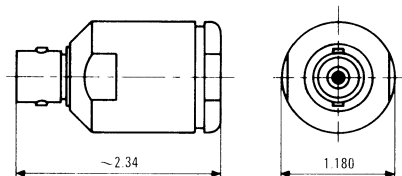
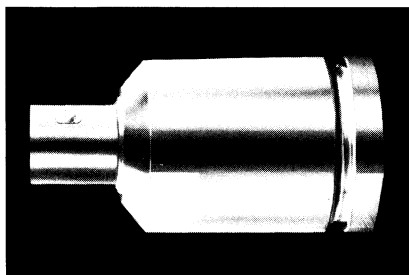
## Jack 75 Ω

for cable dia. up to .445"

| Suhner Type        | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |            | assembly<br>instruction<br>number | notes                   |
|--------------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|------------|-----------------------------------|-------------------------|
|                    |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example    |                                   |                         |
| <b>21C-75-3-1C</b> |             |                         | captive           |                  | .209               | .116                  | 1      | G 03233    | 3045                              | with cylindrical gasket |
| <b>21C-75-3-2C</b> |             |                         | captive           |                  | .236               | .116                  | 2      | G 03233d   | 3045                              |                         |
| <b>21C-75-4-1C</b> |             |                         | captive           |                  | .252               | .146                  | 1      | RG-59 B/U  | 3045                              |                         |
| <b>21C-75-5-1C</b> |             |                         | captive           |                  | .338               | .189                  | 2      | RG-6 A/U   | 3045                              |                         |
| <b>21C-75-7-1</b>  |             | 5935-99-<br>580-1134    | loose             |                  | .425               | .285                  | 1      | RG-11 A/U  | 3007                              |                         |
| <b>21C-75-7-2C</b> |             |                         | captive           |                  | .425               | .285                  | 1      | RG-11 A/U  | 3008                              |                         |
| <b>21C-75-7-3</b>  |             |                         | loose             |                  | .445               | .285                  | 2      | RG-216/U   | 3007                              |                         |
| <b>21C-75-7-4C</b> |             |                         | captive           |                  | .445               | .285                  | 2      | RG-216/U   | 3008                              |                         |
| <b>21C-75-7-5</b>  |             |                         | loose             |                  | .390               | .285                  | 1      | RG-144/U-1 | 3007                              | with cylindrical gasket |
| <b>21C-75-7-6C</b> |             |                         | captive           |                  | .390               | .285                  | 1      | RG-144/U-1 | 3008                              |                         |

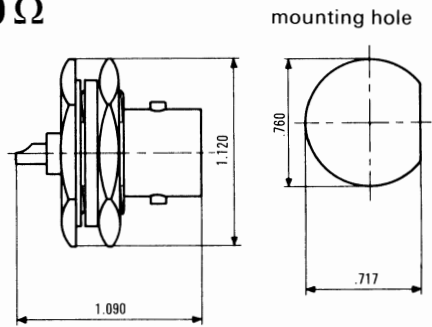
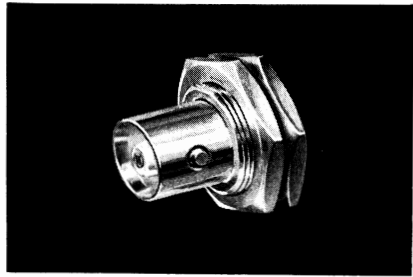
## Jack 50 Ω

for cable dia. up to .885"



| Suhner Type         | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |          | assembly<br>instruction<br>number | notes                   |
|---------------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|----------|-----------------------------------|-------------------------|
|                     |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example  |                                   |                         |
| <b>21C-50-17-1C</b> |             |                         | captive           |                  | .885               | .682                  | 1      | RG-218/U | 3022                              | with cylindrical gasket |

Bulkhead Receptacle 50 Ω

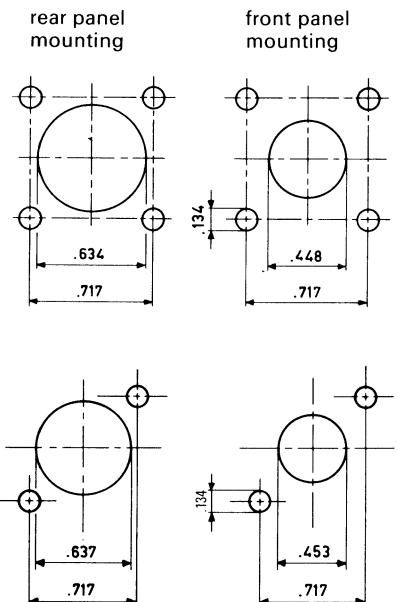
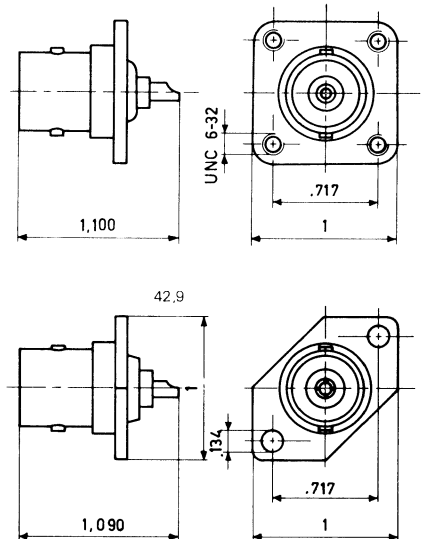
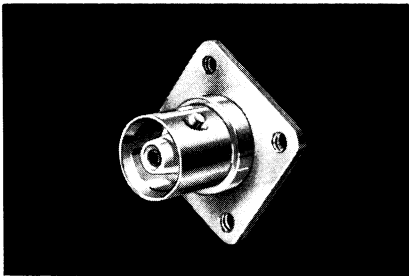


| Suhner Type | US-MIL-Type                         | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |         | assembly<br>instruction<br>number | notes                      |
|-------------|-------------------------------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------|-----------------------------------|----------------------------|
|             |                                     |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example |                                   |                            |
| 22C-50-0-3  | UG-569 A/U<br>UG-705 A/U<br>similar | 5935-99-<br>949-4332    |                   | yes              |                    |                       |        |         |                                   | panel thickness max. .099" |

Bulkhead Receptacle 75 Ω

| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |         | assembly<br>instruction<br>number | notes                      |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------|-----------------------------------|----------------------------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example |                                   |                            |
| 22C-75-0-2  |             | 5935-99-<br>900-3186    |                   | yes              |                    |                       |        |         |                                   | panel thickness max. .099" |

# Panel Receptacle 50 Ω



screws see page C.21

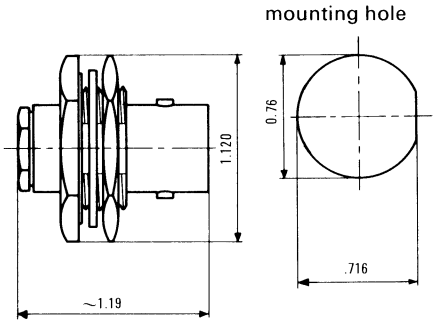
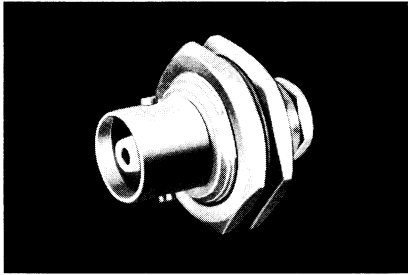
| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |         | assembly<br>instruction<br>number | notes                                                    |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------|-----------------------------------|----------------------------------------------------------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example |                                   |                                                          |
| 23C-50-0-1  | UG-568/U    | 5935-99-920-9029        |                   |                  |                    |                       |        |         |                                   | 4 threaded holes UNC 6-32                                |
| 23C-50-0-2  |             | 5935-99-999-6236        |                   |                  |                    |                       |        |         |                                   | 4 clearance holes dia. .134"                             |
| 23C-50-0-3  |             |                         |                   |                  |                    |                       |        |         |                                   | 2 threaded holes UNC 6-32,<br>flange narrow, hexagonal   |
| 23C-50-0-4  |             | 5935-99-914-9616        |                   |                  |                    |                       |        |         |                                   | 2 clearance holes dia. .134"<br>flange narrow, hexagonal |

# Panel Receptacle 75 Ω

| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |         | assembly<br>instruction<br>number | notes                                                    |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------|-----------------------------------|----------------------------------------------------------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example |                                   |                                                          |
| 23C-75-0-1  |             | 5935-99-911-6888        |                   |                  |                    |                       |        |         |                                   | 4 threaded holes UNC 6-32                                |
| 23C-75-0-2  |             | 5935-99-913-8550        |                   |                  |                    |                       |        |         |                                   | 4 clearance holes dia. .134"                             |
| 23C-75-0-3  |             |                         |                   |                  |                    |                       |        |         |                                   | 2 threaded holes UNC 6-32,<br>flange narrow, hexagonal   |
| 23C-75-0-4  |             | 5935-99-952-1401        |                   |                  |                    |                       |        |         |                                   | 2 clearance holes dia. .134"<br>flange narrow, hexagonal |

# Bulkhead Jack 50 Ω

cable dia. up to .252"



| Suhner Type | US-MIL-Type           | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |           | assembly<br>instruction<br>number | notes                                                                  |
|-------------|-----------------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|-----------|-----------------------------------|------------------------------------------------------------------------|
|             |                       |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example   |                                   |                                                                        |
| 24C-50-3-1C | UG-704 B/U<br>similar |                         | captive           | yes              | .209               | .116                  | 1      | RG-58 C/U | 3017                              | panel thickness max. .138"<br>mounting hole of<br>UG-704 B/U 5/8" dia. |
| 24C-50-3-2C |                       |                         | captive           | yes              | .236               | .116                  | 2      | RG-223/U  | 3017                              |                                                                        |
| 24C-50-4-1C | UG-631 A/U<br>similar | 5935-99-<br>972-1087    | captive           | yes              | .252               | .146                  | 1      | RG-59 B/U | 3017                              | panel thickness max. .138", centre<br>contact of UG-631 A/U is loose   |

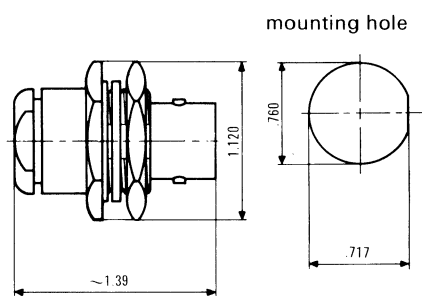
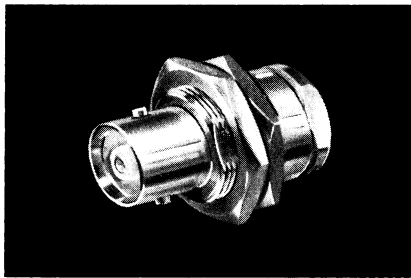
# Bulkhead Jack 75 Ω

cable dia. up to .252"

| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |           | assembly<br>instruction<br>number | notes                      |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|-----------|-----------------------------------|----------------------------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example   |                                   |                            |
| 24C-75-3-1C |             |                         | captive           | yes              | .209               | .116                  | 1      | G 03233   | 3017                              | panel thickness max. .138" |
| 24C-75-3-2C |             |                         | captive           | yes              | .236               | .116                  | 2      | G 03233d  | 3017                              |                            |
| 24C-75-4-1C |             |                         | captive           | yes              | .252               | .146                  | 1      | RG-59 B/U | 3017                              |                            |

## Bulkhead Jack 50 Ω

cable dia. up to .445"



| Suhner Type        | US-MIL-Type                  | NATO Type equivalent | centre contact | pressurized | cable        |                    |        |            | assembly instruction number | notes                                                             |
|--------------------|------------------------------|----------------------|----------------|-------------|--------------|--------------------|--------|------------|-----------------------------|-------------------------------------------------------------------|
|                    |                              |                      |                |             | dia. max. in | dielectric dia. in | screen | example    |                             |                                                                   |
| <b>24C-50-5-1C</b> | <b>UG-630 A/U</b><br>similar |                      | captive        | yes         | .338         | .189               | 2      | RG-222/U   | 3045                        | panel thickness max. .138"; centre contact of UG-630 A/U is loose |
| <b>24C-50-7-1</b>  | <b>UG-570 A/U</b><br>similar |                      | loose          |             | .425         | .285               | 1      | RG-213/U   | 3007                        |                                                                   |
| <b>24C-50-7-2C</b> |                              |                      | captive        | yes         | .425         | .285               | 1      | RG-213/U   | 3008                        |                                                                   |
| <b>24C-50-7-3</b>  | <b>UG-570 A/U</b>            | 5935-99-999-1667     | loose          |             | .445         | .285               | 2      | RG-214/U   | 3007                        |                                                                   |
| <b>24C-50-7-4C</b> |                              |                      | captive        | yes         | .445         | .285               | 2      | RG-214/U   | 3008                        | panel thickness max. .138" with cylindrical gasket                |
| <b>24C-50-7-5</b>  |                              |                      | loose          |             | .390         | .285               | 1      | RG-165/U-1 | 3007                        |                                                                   |
| <b>24C-50-7-6C</b> |                              |                      | captive        | yes         | .390         | .285               | 1      | RG-165/U-1 | 3008                        |                                                                   |

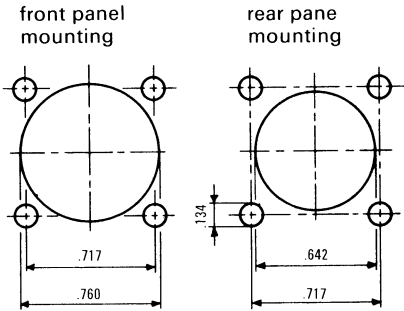
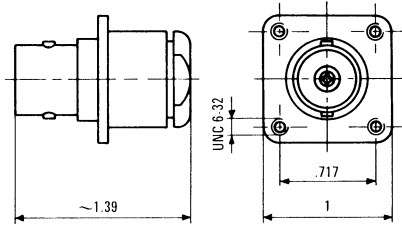
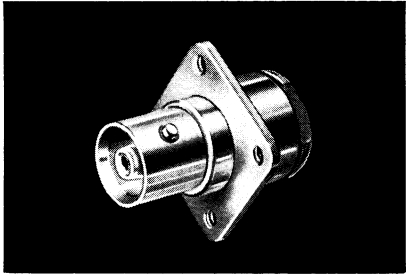
## Bulkhead Jack 75 Ω

cable dia. up to .445"

| Suhner Type        | US-MIL-Type | NATO Type equivalent | centre contact | pressurized | cable       |                    |        |            | assembly instruction number | notes                                              |
|--------------------|-------------|----------------------|----------------|-------------|-------------|--------------------|--------|------------|-----------------------------|----------------------------------------------------|
|                    |             |                      |                |             | dia. max in | dielectric dia. in | screen | example    |                             |                                                    |
| <b>24C-75-5-1C</b> |             |                      | captive        | yes         | .338        | .189               | 2      | RG-6 A/U   | 3045                        | panel thickness max. .138"                         |
| <b>24C-75-7-1</b>  |             |                      | loose          |             | .425        | .285               | 1      | RG-11 A/U  | 3007                        |                                                    |
| <b>24C-75-7-2C</b> |             |                      | captive        | yes         | .425        | .285               | 1      | RG-11 A/U  | 3008                        |                                                    |
| <b>24C-75-7-3</b>  |             |                      | loose          |             | .445        | .285               | 2      | RG-216/U   | 3007                        |                                                    |
| <b>24C-75-7-4C</b> |             |                      | captive        | yes         | .445        | .285               | 2      | RG-216/U   | 3008                        | panel thickness max. .138" with cylindrical gasket |
| <b>24C-75-7-5</b>  |             |                      | loose          |             | .390        | .285               | 1      | RG-144/U-1 | 3007                        |                                                    |
| <b>24C-75-7-6C</b> |             |                      | captive        | yes         | .390        | .285               | 1      | RG-144/U-1 | 3008                        |                                                    |

Panel Jack 50 Ω

cable dia. up to .445"



screws see page C.21

| Suhner Type | US-MIL-Type           | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |           | assembly<br>instruction<br>number | notes                                                   |
|-------------|-----------------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|-----------|-----------------------------------|---------------------------------------------------------|
|             |                       |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example   |                                   |                                                         |
| 25C-50-3-1C |                       |                         | captive           |                  | .209               | .116                  | 1      | RG-58 C/U | 3045                              | 4 threaded holes UNC 6-32<br>with cylindrical gasket    |
| 25C-50-3-3C |                       |                         | captive           |                  | .236               | .116                  | 2      | RG-223/U  | 3045                              |                                                         |
| 25C-50-4-1C |                       |                         | captive           |                  | .252               | .146                  | 1      | RG-59 B/U | 3045                              |                                                         |
| 25C-50-5-1  | UG-629 A/U            |                         | loose             |                  | .338               | .189                  | 2      | RG-222/U  | 3044                              | 4 threaded holes UNC 6-32                               |
| 25C-50-5-2C |                       |                         | captive           |                  | .338               | .189                  | 2      | RG-222/U  | 3045                              |                                                         |
| 25C-50-7-1  | UG-571 A/U<br>similar | 5935-99-<br>932-5853    | loose             |                  | .425               | .285                  | 1      | RG-213/U  | 3007                              |                                                         |
| 25C-50-7-2C |                       |                         | captive           |                  | .425               | .285                  | 1      | RG-213/U  | 3008                              |                                                         |
| 25C-50-7-3  | UG-571 A/U            |                         | loose             |                  | .445               | .285                  | 2      | RG-214/U  | 3007                              |                                                         |
| 25C-50-7-4C |                       |                         | captive           |                  | .445               | .285                  | 2      | RG-214/U  | 3008                              | 4 clearance holes dia. .134"<br>with cylindrical gasket |
| 25C-50-3-2C |                       |                         | captive           |                  | .209               | .116                  | 1      | RG-58 C/U | 3045                              |                                                         |
| 25C-50-3-4C |                       |                         | captive           |                  | .236               | .116                  | 2      | RG-223/U  | 3045                              |                                                         |
| 25C-50-4-2C |                       |                         | captive           |                  | .252               | .146                  | 1      | RG-59 B/U | 3045                              |                                                         |
| 25C-50-5-3  |                       |                         | loose             |                  | .338               | .189                  | 2      | RG-222/U  | 3044                              |                                                         |
| 25C-50-5-4C |                       |                         | captive           |                  | .338               | .189                  | 2      | RG-222/U  | 3045                              | 4 clearance holes dia. .134"                            |
| 25C-50-7-5  |                       | 5935-99-<br>946-7620    | loose             |                  | .425               | .285                  | 1      | RG-213/U  | 3007                              |                                                         |
| 25C-50-7-6C |                       | 5935-99-<br>519-3630    | captive           |                  | .425               | .285                  | 1      | RG-213/U  | 3008                              |                                                         |
| 25C-50-7-7  |                       |                         | loose             |                  | .445               | .285                  | 2      | RG-214/U  | 3007                              |                                                         |
| 25C-50-7-8C |                       |                         | captive           |                  | .445               | .285                  | 2      | RG-214/U  | 3008                              |                                                         |

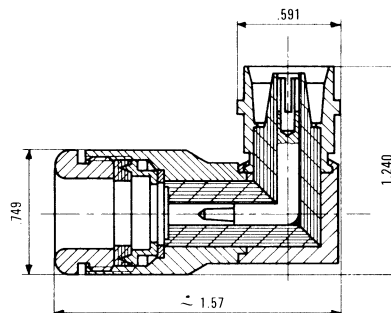
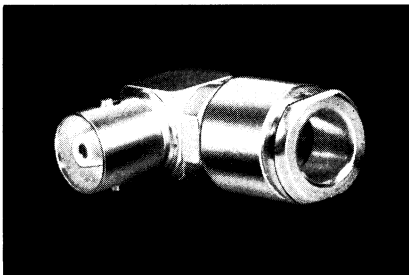
## Panel Jack 75 Ω

cable dia. up to .445"

| Suhner Type        | US-MIL-Type | NATO Type equivalent    | centre contact | pressurized | cable        |                    |        |           | assembly instruction number | notes                                                |
|--------------------|-------------|-------------------------|----------------|-------------|--------------|--------------------|--------|-----------|-----------------------------|------------------------------------------------------|
|                    |             |                         |                |             | dia. max. in | dielectric dia. in | screen | example   |                             |                                                      |
| <b>25C-75-3-1C</b> |             |                         | captive        |             | .209         | .116               | 1      | G 03233   | 3045                        | 4 threaded holes UNC 6-32 with cylindrical gasket    |
| <b>25C-75-3-3C</b> |             |                         | captive        |             | .236         | .116               | 2      | G 03233d  | 3045                        |                                                      |
| <b>25C-75-4-1C</b> |             |                         | captive        |             | .252         | .145               | 1      | RG-59 B/U | 3045                        |                                                      |
| <b>25C-75-5-1</b>  |             |                         | loose          |             | .338         | .189               | 2      | RG-6 A/U  | 3044                        | 4 threaded holes UNC 6-32                            |
| <b>25C-75-5-2C</b> |             |                         | captive        |             | .338         | .189               | 2      | RG-6 A/U  | 3045                        |                                                      |
| <b>25C-75-7-1</b>  |             | 5935-99-932-5646        | loose          |             | .425         | .285               | 1      | RG-11 A/U | 3007                        |                                                      |
| <b>25C-75-7-2C</b> |             |                         | captive        |             | .425         | .285               | 1      | RG-11 A/U | 3008                        |                                                      |
| <b>25C-75-7-3</b>  |             |                         | loose          |             | .445         | .285               | 2      | RG-216/U  | 3007                        |                                                      |
| <b>25C-75-7-4C</b> |             |                         | captive        |             | .445         | .285               | 2      | RG-216/U  | 3008                        |                                                      |
| <b>25C-75-3-2C</b> |             |                         | captive        |             | .209         | .116               | 1      | G 03233   | 3045                        | 4 clearance holes dia. .134" with cylindrical gasket |
| <b>25C-75-3-4C</b> |             |                         | captive        |             | .236         | .116               | 2      | G 03233d  | 3045                        |                                                      |
| <b>25C-75-4-2C</b> |             |                         | captive        |             | .252         | .145               | 1      | RG-59 B/U | 3045                        |                                                      |
| <b>25C-75-5-3</b>  |             |                         | loose          |             | .338         | .189               | 2      | RG-6 A/U  | 3044                        | 4 clearance holes dia. .134"                         |
| <b>25C-75-5-4C</b> |             |                         | captive        |             | .338         | .189               | 2      | RG-6 A/U  | 3008                        |                                                      |
| <b>25C-75-7-5</b>  |             | <b>5935-99-199-0830</b> | loose          |             | .425         | .285               | 1      | RG-11 A/U | 3007                        |                                                      |
| <b>25C-75-7-6C</b> |             |                         | captive        |             | .425         | .285               | 1      | RG-11 A/U | 3008                        |                                                      |
| <b>25C-75-7-7</b>  |             |                         | loose          |             | .445         | .285               | 2      | RG-216/U  | 3007                        |                                                      |
| <b>25C-75-7-8C</b> |             |                         | captive        |             | .445         | .285               | 2      | RG-216/U  | 3008                        |                                                      |

## Angle Jack 50 Ω

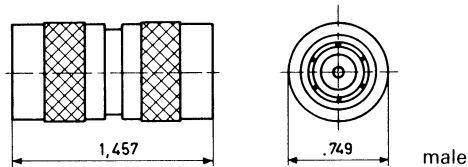
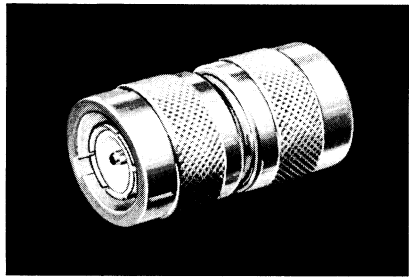
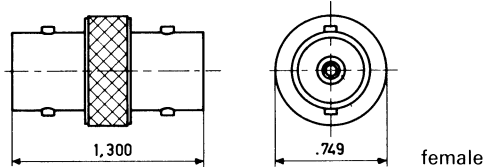
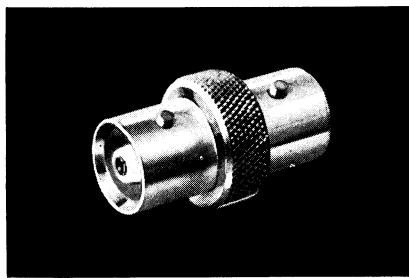
fully teflon-insulated



| Suhner Type       | US-MIL-Type | NATO Type equivalent | centre contact | pressurized | cable        |                    |        |          | assembly instruction number | notes |
|-------------------|-------------|----------------------|----------------|-------------|--------------|--------------------|--------|----------|-----------------------------|-------|
|                   |             |                      |                |             | dia. max. in | dielectric dia. in | screen | example  |                             |       |
| <b>26C-50-7-1</b> |             |                      | loose          |             | .425         | .285               | 1      | RG-213/U | 3007                        |       |
| <b>26C-50-7-2</b> |             |                      | loose          |             | .445         | .285               | 2      | RG-214/U | 3007                        |       |

Suhner Type

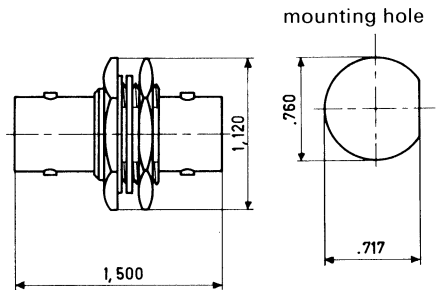
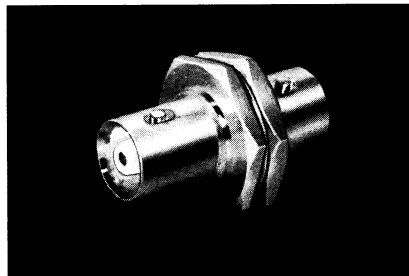
## Straight Adapter 50 and 75 Ω



| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |         | assembly<br>instruction<br>number | notes        |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------|-----------------------------------|--------------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example |                                   |              |
| 31C-50-0-1  | UG-643/U    | 5935-99-580-1512        |                   |                  |                    |                       |        |         |                                   | 50 Ω, female |
| 31C-75-0-1  |             | 5935-99-199-0827        |                   |                  |                    |                       |        |         |                                   | 75 Ω, female |
| 32C-50-0-1  | UG-642 A/U  | 5935-99-580-1326        |                   |                  |                    |                       |        |         |                                   | 50 Ω, male   |
| 32C-75-0-1  |             | 5935-99-913-1018        |                   |                  |                    |                       |        |         |                                   | 75 Ω, male   |

## Bulkhead Adapter 50 and 75 Ω

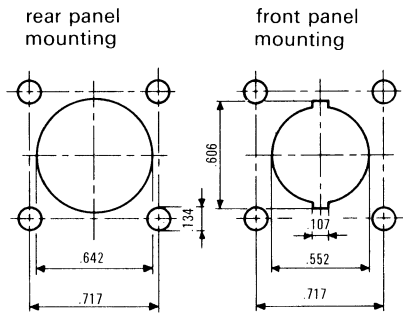
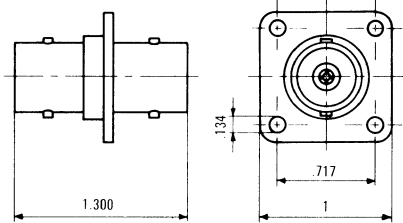
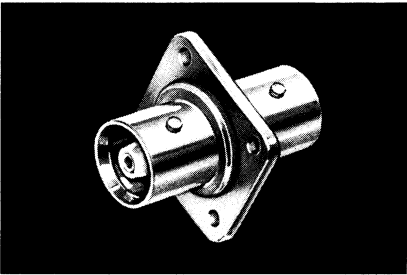
female



| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |         | assembly<br>instruction<br>number | notes                              |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------|-----------------------------------|------------------------------------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example |                                   |                                    |
| 34C-50-0-1  | UG-701/U    | 5935-99-911-8080        |                   | yes              |                    |                       |        |         |                                   | 50 Ω<br>panel thickness max. .099" |
| 34C-75-0-1  |             | 5935-99-944-7377        |                   | yes              |                    |                       |        |         |                                   | 75 Ω<br>panel thickness max. .099" |

# Panel Adapter 50 and 75 Ω

female

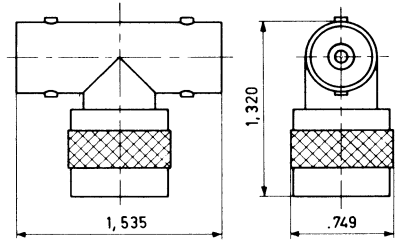
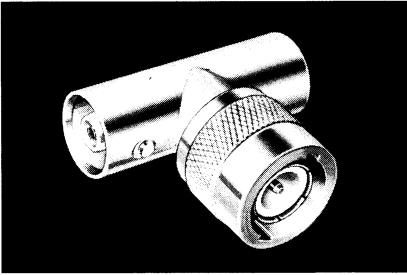


screws see page C.21

| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |         | assembly<br>instruction<br>number | notes                              |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------|-----------------------------------|------------------------------------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example |                                   |                                    |
| 37C-50-0-1  |             | 5935-99-<br>920-9223    |                   |                  |                    |                       |        |         |                                   | 50 Ω; 4 threaded holes UNC 6-32    |
| 37C-50-0-2  |             | 5935-99-<br>580-6268    |                   |                  |                    |                       |        |         |                                   | 50 Ω; 4 clearance holes dia. .134" |
| 37C-75-0-1  |             |                         |                   |                  |                    |                       |        |         |                                   | 75 Ω; 4 threaded holes UNC 6-32    |
| 37C-75-0-2  |             |                         |                   |                  |                    |                       |        |         |                                   | 75 Ω; 4 clearance holes dia. .134" |

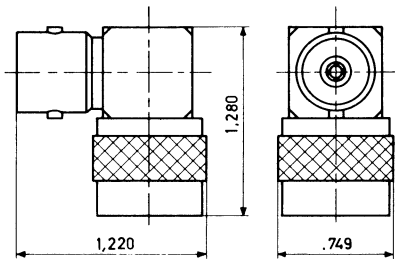
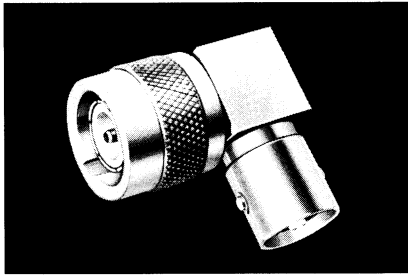
# T-Adapter 50 and 75 Ω

2 × female, 1 × male



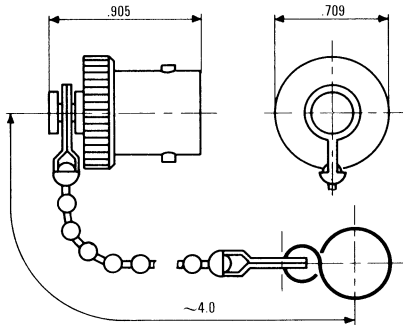
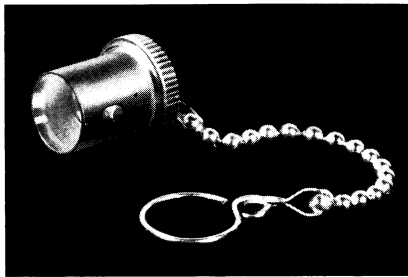
| Suhner Type | US-MIL-Type | NATO Type<br>equivalent | centre<br>contact | pressur-<br>ized | cable              |                       |        |         | assembly<br>instruction<br>number | notes |
|-------------|-------------|-------------------------|-------------------|------------------|--------------------|-----------------------|--------|---------|-----------------------------------|-------|
|             |             |                         |                   |                  | dia.<br>max.<br>in | dielectric<br>dia. in | screen | example |                                   |       |
| 43C-50-0-1  | UG-566 A/U  | 5935-99-<br>972-2384    |                   |                  |                    |                       |        |         |                                   | 50 Ω  |
| 43C-75-0-1  |             |                         |                   |                  |                    |                       |        |         |                                   | 75 Ω  |

Angle Adapter 50 and 75 Ω

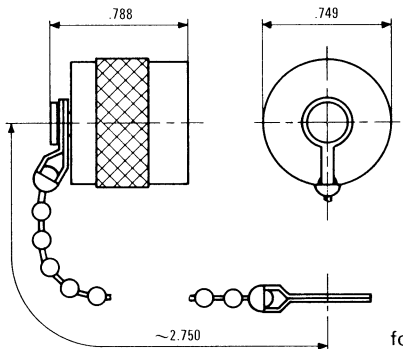
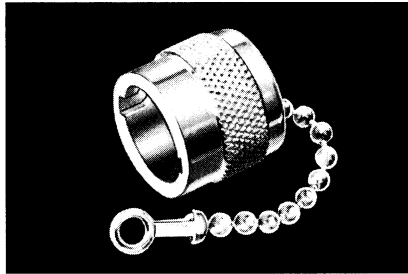


| Suhner Type | US-MIL-Type | NATO Type equivalent | centre contact | pressur-ized | cable        |                    |        |         | assembly instruction number | notes             |
|-------------|-------------|----------------------|----------------|--------------|--------------|--------------------|--------|---------|-----------------------------|-------------------|
|             |             |                      |                |              | dia. max. in | dielectric dia. in | screen | example |                             |                   |
| 53C-50-0-1  | UG-567A/U   | 5935-99-920-9000     |                |              |              |                    |        |         |                             | 50 Ω, male–female |
| 53C-75-0-1  |             |                      |                |              |              |                    |        |         |                             | 75 Ω, male–female |

Caps



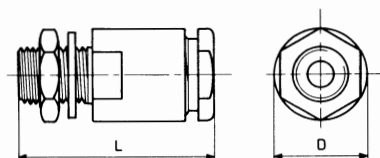
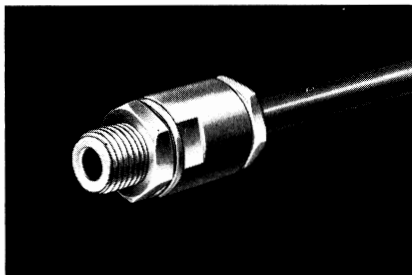
for male connectors



for female connectors      other chain lengths on request

| Suhner Type | US-MIL-Type | NATO Type equivalent | centre contact | pressur-ized | cable        |                    |        |         | assembly instruction number | notes                                          |
|-------------|-------------|----------------------|----------------|--------------|--------------|--------------------|--------|---------|-----------------------------|------------------------------------------------|
|             |             |                      |                |              | dia. max. in | dielectric dia. in | screen | example |                             |                                                |
| 61C-0-0-1   | MX-1143 A/U | 5935-99-105-4678     |                |              |              |                    |        |         |                             | for male connectors, with chain and ring       |
| 62C-0-0-1   | MX-1142 A/U | 5935-99-580-1133     |                |              |              |                    |        |         |                             | for female connectors, with chain and end clip |

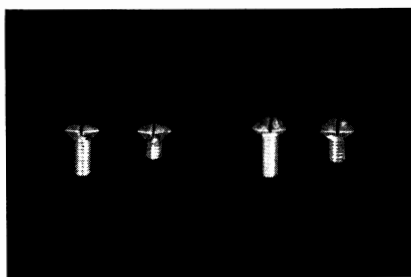
## Cable Feed-Through



| Suhner Type | US-MIL-Type | NATO Type equivalent | centre contact | pressurized | cable        |                    |        |                          | assembly instruction number | notes                                                                     |
|-------------|-------------|----------------------|----------------|-------------|--------------|--------------------|--------|--------------------------|-----------------------------|---------------------------------------------------------------------------|
|             |             |                      |                |             | dia. max. in | dielectric dia. in | screen | example                  |                             |                                                                           |
| 71Z-0-3-3   | MX-1684/U   |                      |                |             | .209         | .116               | 1      | RG-58 C/U<br>G 03233     | 3004*                       | thread length .394"<br>mounting hole .315 dia.<br>L = ~1.0"<br>D = .50"   |
| 71Z-0-3-4   |             |                      |                |             | .236         | .116               | 1      | RG-223/U                 | 3004*                       |                                                                           |
| 71Z-0-3-5   |             |                      |                |             | .181         | .116               | 1      | RG-141A/U-1              | 3004*                       |                                                                           |
| 71Z-0-4-3   |             |                      |                |             | .252         | .146               | 1      | RG-59 B/U                | 3004*                       |                                                                           |
| 71Z-0-5-1   |             |                      |                |             | .338         | .189               | 2      | RG-6 A/U<br>RG-222/U     | 3007*                       | thread length .374"<br>mounting hole .512 dia.<br>L = ~1.14"<br>D = .748" |
| 71Z-0-7-2   |             |                      |                |             | .425         | .285               | 1      | RG-213/U<br>RG-11 A/U    | 3007*                       |                                                                           |
| 71Z-0-7-3   |             |                      |                |             | .445         | .285               | 2      | RG-214/U<br>RG-216/U     | 3007*                       |                                                                           |
| 71Z-0-7-4   |             |                      |                |             | .390         | .285               | 1      | RG-165/U-1<br>RG-144/U-1 | 3007*                       |                                                                           |
|             |             |                      |                |             |              |                    |        |                          |                             | * use dimensions for jacket and screen                                    |

## Silvered Screws

thread UNC 6-32



| Suhner Type | US-MIL-Type | NATO Type equivalent | centre contact | pressurized | cable        |                    |        |         | assembly instruction number | notes                               |
|-------------|-------------|----------------------|----------------|-------------|--------------|--------------------|--------|---------|-----------------------------|-------------------------------------|
|             |             |                      |                |             | dia. max. in | dielectric dia. in | screen | example |                             |                                     |
| 73Z-0-0-5   |             |                      |                |             |              |                    |        |         |                             | round head, thread length .157"     |
| 73Z-0-0-6   |             |                      |                |             |              |                    |        |         |                             | round head, thread length .236"     |
| 73Z-0-0-7   |             |                      |                |             |              |                    |        |         |                             | countersunk lens-head, length .236" |

# Between Series Adapters

“C 50 Ω male” means that the adapter’s C-end is male.

| Suhner Type         | from          | to                     |
|---------------------|---------------|------------------------|
| <b>33C-A-0-1</b>    | C 50 Ω male   | banana jack .158” dia. |
| <b>33C-UHF-0-1</b>  | C 50 Ω male   | UHF female             |
| <b>33UHF-C-0-1</b>  | C 50 Ω female | UHF male               |
| <b>31C-UHF-0-1</b>  | C 50 Ω female | UHF female             |
| <b>32C-UHF-0-1</b>  | C 50 Ω male   | UHF male               |
| <b>33C-UHF-0-2</b>  | C 75 Ω male   | UHF female             |
| <b>33UHF-C-0-2</b>  | C 75 Ω female | UHF male               |
| <b>31C-UHF-0-2</b>  | C 75 Ω female | UHF female             |
| <b>32C-UHF-0-2</b>  | C 75 Ω male   | UHF male               |
| <b>33C-N-50-1</b>   | C 50 Ω male   | N 50 Ω female          |
| <b>33N-C-50-1</b>   | C 50 Ω female | N 50 Ω male            |
| <b>31C-N-50-1</b>   | C 50 Ω female | N 50 Ω female          |
| <b>32C-N-50-1</b>   | C 50 Ω male   | N 50 Ω male            |
| <b>33C-N-75-1</b>   | C 75 Ω male   | N 75 Ω female          |
| <b>33N-C-75-1</b>   | C 75 Ω female | N 75 Ω male            |
| <b>31C-N-75-1</b>   | C 75 Ω female | N 75 Ω female          |
| <b>32C-N-75-1</b>   | C 75 Ω male   | N 75 Ω male            |
| <b>33C-BNC-50-1</b> | C 50 Ω male   | BNC 50 Ω female        |
| <b>33BNC-C-50-1</b> | C 50 Ω female | BNC 50 Ω male          |
| <b>31BNC-C-50-1</b> | C 50 Ω female | BNC 50 Ω female        |
| <b>32BNC-C-50-1</b> | C 50 Ω male   | BNC 50 Ω male          |
| <b>33C-BNC-75-1</b> | C 75 Ω male   | BNC 75 Ω female        |
| <b>33BNC-C-75-1</b> | C 75 Ω female | BNC 75 Ω male          |
| <b>31BNC-C-75-1</b> | C 75 Ω female | BNC 75 Ω female        |
| <b>32BNC-C-75-1</b> | C 75 Ω male   | BNC 75 Ω male          |

| Suhner Type         | from          | to              |
|---------------------|---------------|-----------------|
| <b>33C-J-75-1</b>   | C 75 Ω male   | I 75 Ω female   |
| <b>33J-C-75-1</b>   | C 75 Ω female | I 75 Ω male     |
| <b>31C-J-75-1</b>   | C 75 Ω female | I 75 Ω female   |
| <b>32C-J-75-1</b>   | C 75 Ω male   | I 75 Ω male     |
| <b>33C-M-50-1</b>   | C 50 Ω male   | M 50 Ω female   |
| <b>33M-C-50-1</b>   | C 50 Ω female | M 50 Ω male     |
| <b>31C-M-50-1</b>   | C 50 Ω female | M 50 Ω female   |
| <b>32C-M-50-1</b>   | C 50 Ω male   | M 50 Ω male     |
| <b>33C-M-75-1</b>   | C 75 Ω male   | M 75 Ω female   |
| <b>33M-C-75-1</b>   | C 75 Ω female | M 75 Ω male     |
| <b>31C-M-75-1</b>   | C 75 Ω female | M 75 Ω female   |
| <b>32C-M-75-1</b>   | C 75 Ω male   | M 75 Ω male     |
| <b>33C-K-50-1</b>   | C 50 Ω male   | K 50 Ω female   |
| <b>33K-C-50-1</b>   | C 50 Ω female | K 50 Ω male     |
| <b>31C-K-50-1</b>   | C 50 Ω female | K 50 Ω female   |
| <b>32C-K-50-1</b>   | C 50 Ω male   | K 50 Ω male     |
| <b>33C-SC-50-1</b>  | C 50 Ω male   | SC 50 Ω female  |
| <b>33SC-C-50-1</b>  | C 50 Ω female | SC 50 Ω male    |
| <b>31C-SC-50-1</b>  | C 50 Ω female | SC 50 Ω female  |
| <b>32C-SC-50-1</b>  | C 50 Ω male   | SC 50 Ω male    |
| <b>33C-TNC-50-1</b> | C 50 Ω male   | TNC 50 Ω female |
| <b>33TNC-C-50-1</b> | C 50 Ω female | TNC 50 Ω male   |
| <b>31C-TNC-50-1</b> | C 50 Ω female | TNC 50 Ω female |
| <b>32C-TNC-50-1</b> | C 50 Ω male   | TNC 50 Ω male   |
| <b>33C-TNC-75-1</b> | C 75 Ω male   | TNC 75 Ω female |
| <b>33TNC-C-75-1</b> | C 75 Ω female | TNC 75 Ω male   |
| <b>31C-TNC-75-1</b> | C 75 Ω female | TNC 75 Ω female |
| <b>32C-TNC-75-1</b> | C 75 Ω male   | TNC 75 Ω male   |