

# C SERIES

The C series are general purpose medium size connectors. They fit the same size cables as the 'N' series. They compliment the 'N' series by offering the same size fitting for the same cables except the 'C' series has a bayonet coupling mechanism. They are also weatherproof and built to withstand rugged environments.

**MATERIALS:**

Brass per QQ-B-626 composition 22½ HD.  
Beryllium copper per QQ-C-530 heat treated to condition HT.  
Teflon per L-P-503  
Rubber per ZZ-R-765

**FINISHES:**

Silver plating per QQ-S-365  
Gold plating per MIL-G-45204  
Proprietary bright nickel (IP23)

**ELECTRICAL:**

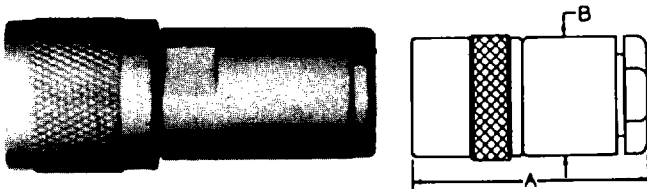
Impedance 50 ohms  
Frequency range: DC to 12 GHz  
Insulation resistance: 5000 Megohms  
Voltage rating: 1000 VRMS  
Contact resistance: Center 1.0 MILLIOHMS max.  
Outer .15 MILLIOHMS max. silver and gold only

**ENVIRONMENTAL:**

Temperature range: -65° to + 165°C  
Salt spray test per MIL-STD-202 (Method 101)  
Moisture resistance test per MIL-STD-202 (Method 106)

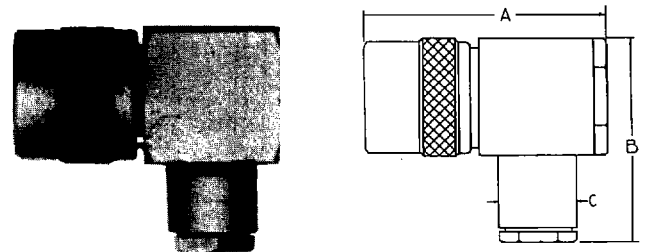
# C SERIES

## C PLUG



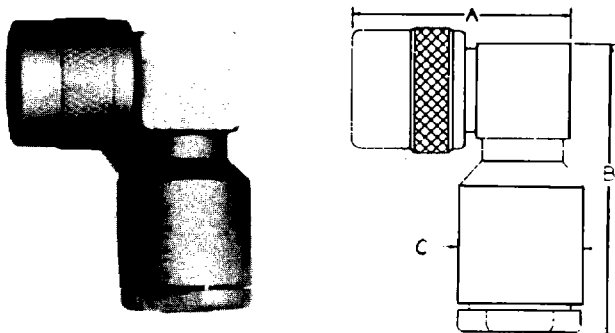
| S/C Part No. | UG-/U No. | Cable RG-/U              | Dimension |     | Engr. Data         | Assy. Inst. |
|--------------|-----------|--------------------------|-----------|-----|--------------------|-------------|
|              |           |                          | A         | B   |                    |             |
| 27P100-1     | UG-5738/U | 8,8A,9<br>9A,213,<br>214 | 1-31/64   | 3/4 |                    |             |
| 27P108-3     |           | 8,213                    | 1-1/2     | 3/4 | Straight Cut Style | AI-81       |
| 27P108-5     |           | 9,214                    | 1-1/2     | 3/4 | Straight Cut Style | AI-81       |
| 27P110-2     |           | 58                       | 1-3/8     | 1/2 | Straight Cut Style | AI-12       |
| 27P110-3     |           | 122                      | 1-3/8     | 1/2 | Straight Cut Style | AI-12       |
| 27P110-4     |           | 303                      | 1-3/8     | 1/2 | Straight Cut Style | AI-12       |
| 27P110-5     |           | 59                       | 1-3/8     | 1/2 | Straight Cut Style | AI-12       |

## C PLUG RIGHT ANGLE

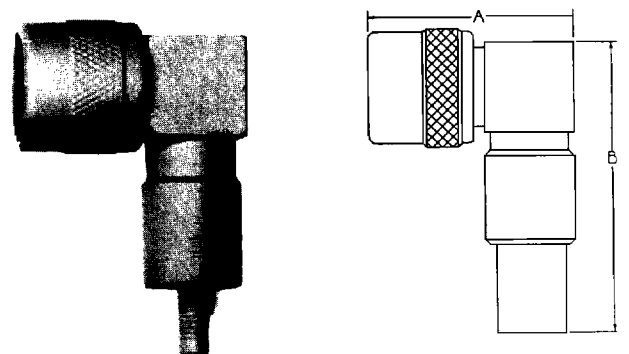


| S/C Part No. | Cable RG-/U | Dimension |       |     | Engr. Data         | Assy. Inst. |
|--------------|-------------|-----------|-------|-----|--------------------|-------------|
|              |             | A         | B     | C   |                    |             |
| 27P106-1     | 58,223      | 1-9/16    | 1-1/4 | 1/2 |                    |             |
| 27P106-2     | 59,62       | 1-9/16    | 1-1/4 | 1/2 |                    |             |
| 27P113-1     | 58          | 1-35/64   | 1-1/4 | 1/2 | Straight Cut Style | AI-19       |

## C PLUG RIGHT ANGLE



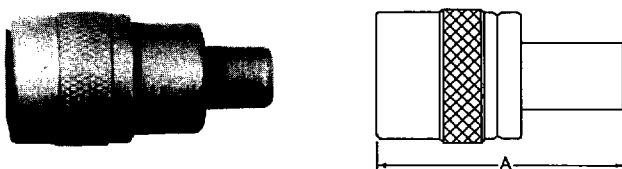
## C PLUG — RIGHT ANGLE



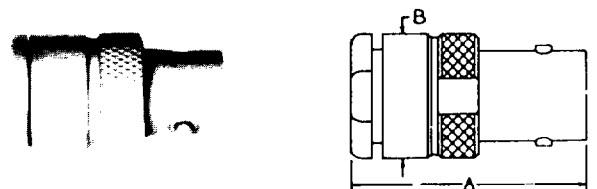
| S/C Part No. | UG-/U No. | Cable RG-/U    | Dimension |         |     | Engr. Data         | Assy. Inst. |
|--------------|-----------|----------------|-----------|---------|-----|--------------------|-------------|
|              |           |                | A         | B       | C   |                    |             |
| 27P101-1     | UG-710B/U | 8,9,213<br>214 | 1-1/4     | 1-15/32 | 3/4 |                    |             |
| 27P112-1     |           | 8,213          | 1-1/4     | 1-19/32 | 3/4 | Straight Cut Style | AI-81       |
| 27P112-3     |           | 9,214          | 1-1/4     | 1-19/32 | 3/4 | Straight Cut Style | AI-81       |
| 27P119-1     |           | 8,9,213<br>214 | 1-1/4     | 1-19/32 | 3/4 | Captive Contact    | AI-71       |

| S/C Part No. | Cable RG-/U | Crimp Tool | Dimension |        | Engr. Data            |
|--------------|-------------|------------|-----------|--------|-----------------------|
|              |             |            | A         | B      |                       |
| 27P122-1     | 8,213       | .429 HEX   | 1-1/4     | 2-3/32 | Crimp Captive Contact |
| 27P122-2     | 9,214       | .429 HEX   | 1-1/4     | 2-3/32 | Crimp Captive Contact |
| 27P122-3     | 58          | .213 HEX   | 1-1/4     | 2"     | Crimp Captive Contact |

## C PLUG — CRIMP ON



## C JACK

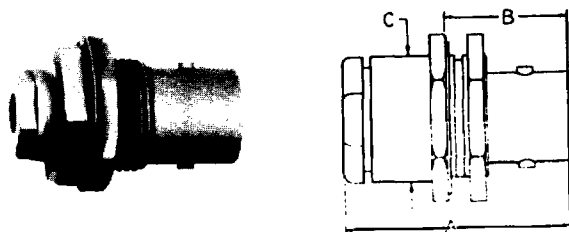


| S/C Part No. | Cable RG-/U | Crimp Tool | Dimension | Engr. Data            |
|--------------|-------------|------------|-----------|-----------------------|
|              |             |            | A         |                       |
| 27P120-1     | 8,213       | .429 HEX   | 1-43/64   | Crimp Captive Contact |
| 27P120-2     | 9,214       | .429 HEX   | 1-43/64   | Crimp Captive Contact |
| 27P120-3     | 58          | .213 HEX   | 1-9/16    | Crimp Captive Contact |

| S/C Part No. | UG-/U No. | Cable RG-/U | Dimension |     | Engr. Data         | Assy. Inst. |
|--------------|-----------|-------------|-----------|-----|--------------------|-------------|
|              |           |             | A         | B   |                    |             |
| 27J101-1     | UG-572/U  | 8,9         | 1-11/32   | 3/4 |                    |             |
| 27J102-1     | UG-633/U  | 5,6         | 1-11/32   | 3/4 |                    |             |
| 27J105-2     |           | 58          | 1-1/4     | 1/2 | Straight Cut Style | AI-12       |
| 27J105-4     |           | 303         | 1-1/4     | 1/2 | Straight Cut Style | AI-12       |
| 27J105-5     |           | 59          | 1-1/4     | 1/2 | Straight Cut Style | AI-12       |
| 27J106-1     |           | 5,212       | 1-23/64   | 3/4 | Straight Cut Style | AI-81       |
| 27J106-4     |           | 9,214       | 1-23/64   | 3/4 | Straight Cut Style | AI-81       |

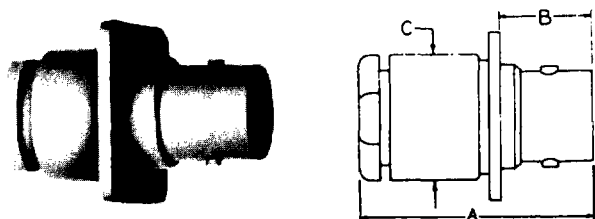
# C SERIES

## C JACK — SINGLE HOLE MOUNT



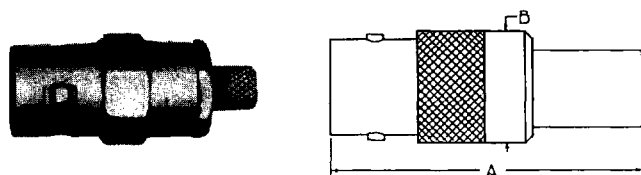
| S/C Part No. | UG-/U No.            | Cable RG-/U | Dimension |     |     | Mtg. Hole | Engr. Data                    | Assy. Inst. |
|--------------|----------------------|-------------|-----------|-----|-----|-----------|-------------------------------|-------------|
|              |                      |             | A         | B   | C   |           |                               |             |
| 27JS100-1    | UG-570/U<br>UG-630/U | 55,58       | 1-11/32   | 3/4 | 3/4 | D2        | Herm. Sealed - Str. Cut Style | Al-12       |
| 27JS102-1    |                      | 8,9         | 1-11/32   | 3/4 | 3/4 | D2        |                               |             |
| 27JS103-1    |                      | 5,6         | 1-11/32   | 3/4 | 3/4 | D2        |                               |             |
| 27JS104-1    | UG-630/U             | 174,316     | 1-43/64   | 3/4 | 1/2 | D2        | Herm. Sealed - Str. Cut Style | Al-12       |
| 27JS104-2    |                      | 58          | 1-43/64   | 3/4 | 1/2 | D2        |                               |             |
| 27JS111-1    |                      | 59          | 1-1/4     | 7/8 | 1/2 | D3        |                               |             |
| 27JS112-2    | UG-630/U             | 8,213       | 1-23/64   | 3/4 | 3/4 | D2        | Str. Cut Style                | Al-81       |
| 27JS112-4    |                      | 9,214       | 1-23/64   | 3/4 | 3/4 | D2        | Str. Cut Style                | Al-81       |
| 27JS116-1    |                      | 58          | 1-1/4     | 7/8 | 1/2 | D3        | Str. Cut Style                | Al-12       |
| 27JS121-1    |                      | 58,223      | 1-1/4     | 7/8 | 1/2 | D3        | Captive Contact               |             |

## C JACK — FLANGE MOUNT



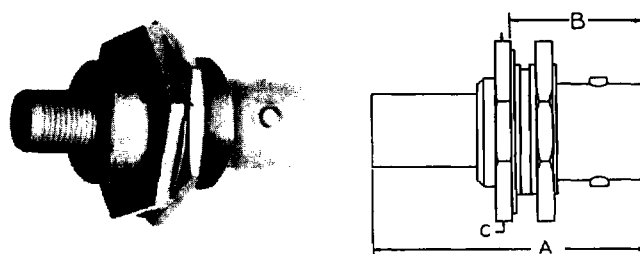
| S/C Part No. | UG-/U No. | Cable RG-/U | Dimension |       |     | Mtg. Plate | Engr. Data      |
|--------------|-----------|-------------|-----------|-------|-----|------------|-----------------|
|              |           |             | A         | B     | C   |            |                 |
| 27JF100-1    | UG-571/U  | 8,9         | 1-11/32   | 11/16 | 3/4 | 1B         | Captive Contact |
| 27JF101-1    | UG-629/U  | 5,6         | 1-11/32   | 11/16 | 3/4 | 1B         |                 |
| 27JF103-1    |           | 58,223      | 1-13/64   | 11/16 | 1/2 | 1A         |                 |

## C JACK — CRIMP ON



| S/C Part No. | Cable RG-/U | Crimp Tool | Dimension |     | Engr. Data            |
|--------------|-------------|------------|-----------|-----|-----------------------|
|              |             |            | A         | B   |                       |
| 27J107-1     | 8,213       | .429 HEX   | 1-3/4     | 5/8 | Crimp Captive Contact |

## C JACK — SINGLE HOLE MOUNT — CRIMP ON



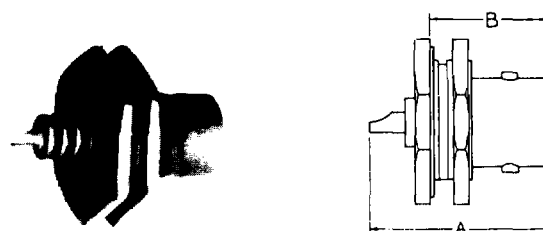
| S/C Part No. | Cable RG-/U | Crimp Tool | Dimension |       |     | Mtg. Hole | Engr. Data         | Assy. Inst. |
|--------------|-------------|------------|-----------|-------|-----|-----------|--------------------|-------------|
|              |             |            | A         | B     | C   |           |                    |             |
| 27JS114-1    | 58          | .213 HEX   | 1-19/32   | 7/8   | 3/4 | D3        | Captive Contact    | Al-37       |
| 27JS115-1    | 223         | .213 HEX   | 1-27/64   | 19/32 | 3/4 | D3        | Reverse Mount      |             |
| 27JS125-1    | 8,213       | .429 HEX   | 1-13/16   | 57/64 | 1"  | D2        | Crimp Cap. Contact |             |
| 27JS125-2    | 9,214       | .429 HEX   | 1-13/16   | 57/64 | 1"  | D2        | Crimp Cap. Contact |             |

## C JACK RECEPTACLE — SINGLE HOLE MOUNT



| S/C Part No. | UG-/U No. | Dimension |       | Mtg. Hole | Engr. Data   |
|--------------|-----------|-----------|-------|-----------|--------------|
|              |           | A         | B     |           |              |
| 27JR101-1    | UG-706A/U | 1-3/32    | 37/64 | D7        | Herm. Sealed |
| 27JR102-1    | UG-706B/U | 1-3/32    | 37/64 | D8        |              |
| 27JR111-2    |           | 1-9/64    | 37/64 | D8        |              |

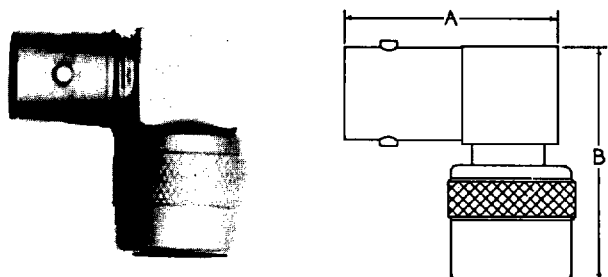
## C JACK RECEPTACLE — SINGLE HOLE MOUNT



| S/C Part No. | UG-/U No. | Dimension |     | Mtg. Hole | Engr. Data   |
|--------------|-----------|-----------|-----|-----------|--------------|
|              |           | A         | B   |           |              |
| 27JR100-1    | UG-634/U  | 1-5/16    | 3/4 | D2        | High Voltage |
| 27JR103-1    | UG-569/U  | 1-3/32    | 3/4 | D2        | No Gasket    |
| 27JR109-1    |           | 1-5/16    | 1   | D2        |              |

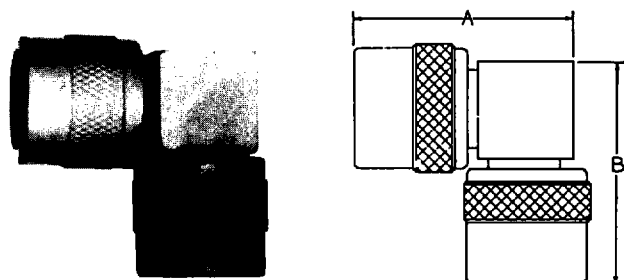
# C SERIES

## C ADAPTER RIGHT ANGLE



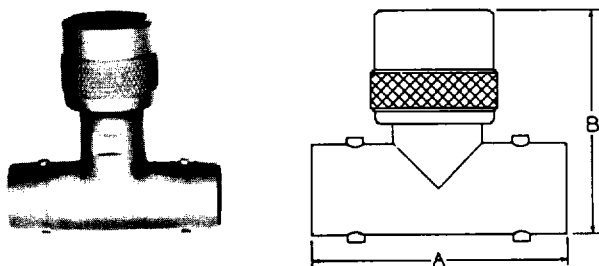
| S/C<br>Part No. | UG-/U<br>No. | Adapter<br>Ends | Dimension |       | Engr. Data |
|-----------------|--------------|-----------------|-----------|-------|------------|
|                 |              |                 | A         | B     |            |
| 27AR100-1       | UG-567A/U    | Plug-Jack       | 1-1/4     | 1-1/4 |            |

## C ADAPTER RIGHT ANGLE



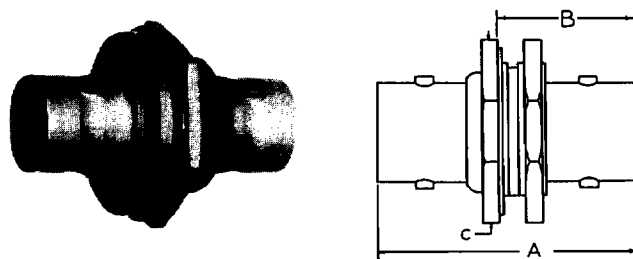
| S/C<br>Part No. | UG-/U<br>No. | Adapter<br>Ends | Dimension |       | Engr. Data |
|-----------------|--------------|-----------------|-----------|-------|------------|
|                 |              |                 | A         | B     |            |
| 27AR101-1       |              | Plug-Plug       | 1-1/4     | 1-1/4 |            |

## C ADAPTER TEE



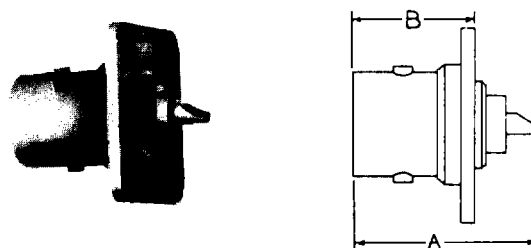
| S/C<br>Part No. | UG-/U<br>No. | Adapter<br>Ends | Dimension |         | Engr. Data |
|-----------------|--------------|-----------------|-----------|---------|------------|
|                 |              |                 | A         | B       |            |
| 27AT100-1       | UG-566A/U    | Jack-Plug-Jack  | 1-33/64   | 1-21/64 |            |

## C ADAPTER — JACK-JACK — SINGLE HOLE MOUNT



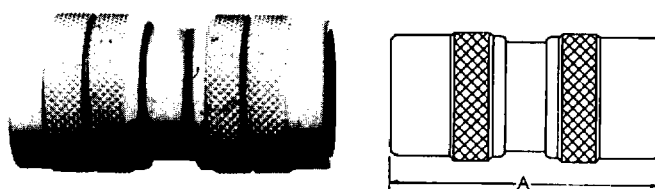
| S/C<br>Part No. | UG-/U<br>No. | Dimension |       |    | Mtg.<br>Hole | Engr. Data |
|-----------------|--------------|-----------|-------|----|--------------|------------|
|                 |              | A         | B     | C  |              |            |
| 27AS100-1       | UG-1138A/U   | 1-1/2     | 55/64 | 1" | D2           | Herm. Seal |

## C JACK RECEPTACLE — FLANGE MOUNT



| S/C<br>Part No. | UG-/U<br>No. | Dimension |     | Mtg.<br>Hole | Engr. Data |
|-----------------|--------------|-----------|-----|--------------|------------|
|                 |              | A         | B   |              |            |
| 27JR104-1       | UG-568/U     | 1-3/32    | 3/4 | 1B           |            |
| 27JR104-4       |              | 1-3/32    | 3/4 | 1A           |            |

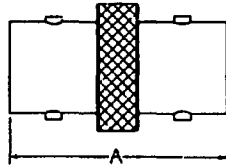
## C ADAPTER



| S/C<br>Part No. | UG-/U<br>No. | Adapter<br>Ends | Dimension | Engr. Data |
|-----------------|--------------|-----------------|-----------|------------|
|                 |              |                 | A         |            |
| 27A100-1        | UG-642A/U    | Plug-Plug       | 1-29/64   |            |

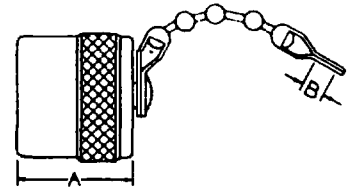
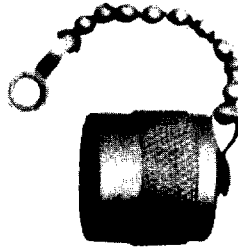
# C SERIES

## C ADAPTER



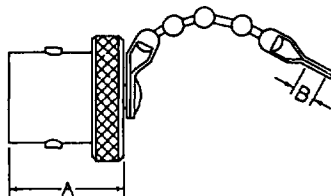
| S/C<br>Part No. | UG-/U<br>No. | Adapter<br>Ends | Dimension |  | Engr. Data |
|-----------------|--------------|-----------------|-----------|--|------------|
|                 |              |                 | A         |  |            |
| 27A101-1        | UG-643/U     | Jack-Jack       | 1-9/32    |  |            |

## C PLUG CAP & CHAIN



| S/C<br>Part No. | Mil<br>Type | Dimension |      | Engr. Data              |
|-----------------|-------------|-----------|------|-------------------------|
|                 |             | A         | B    |                         |
| 27PC100-1       | MX-1142/U   | 11/16     | .144 | 2-1/2" Bead Chain       |
| 27PC101-1       |             | 7/8       |      | Shorting Cap - No Chain |

## C JACK CAP & CHAIN



| S/C<br>Part No. | Mil<br>Type | Dimension |      | Engr. Data              |
|-----------------|-------------|-----------|------|-------------------------|
|                 |             | A         | B    |                         |
| 27JC100-1       | MX-1143A/U  | 57/64     | .144 | 3" Bead Chain           |
| 27JC101-1       |             | 3/4       |      | Shorting Cap - No Chain |