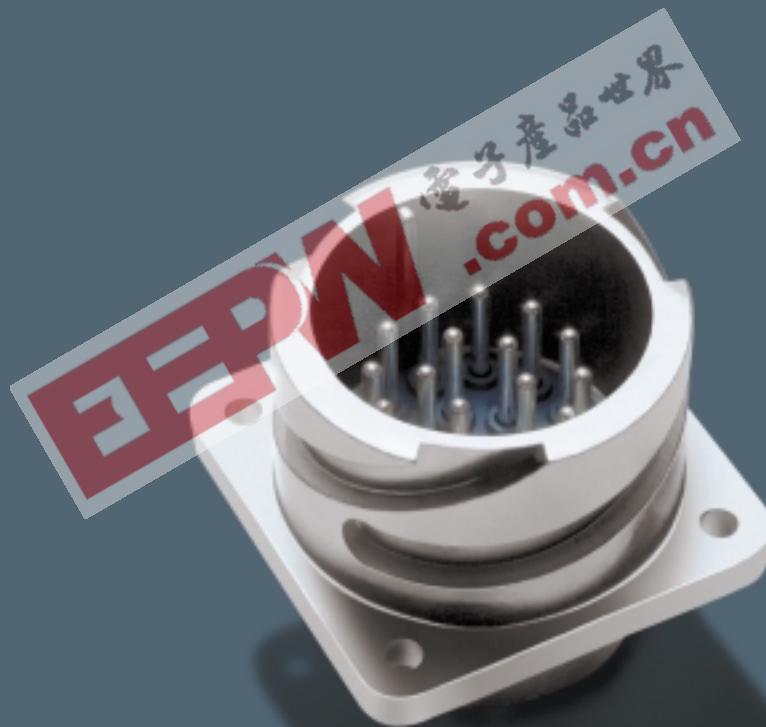




# Industrial Connectors CA-COM



COM-7/0300

Can



both CA-COM series are interchangeable with the corresponding types as per MIL-C-5015 and VG95234, as they offer the same mounting dimensions and contact arrangements.

The CA-COM and CA-COM-B connector series offer

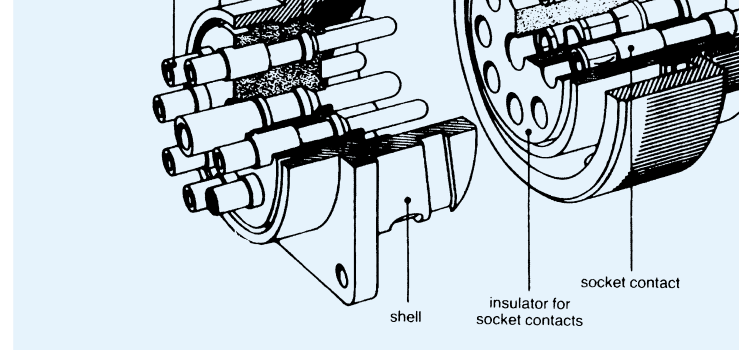
- Wall mounting receptacles
- Cable connecting plugs
- Box mounting receptacles
- Straight plugs
- Plugs 90°

Wall mounting receptacles and cable connecting plugs (straight and 90°) are available with

- Endbell with cable clamp
- Endbell for flex tubes
- Adapter combined for PG terminations acc. to DIN 46320
- Adapter for heat shrink boots

Furthermore Cannon also provides the appropriate accessories like

- Protective metal caps
- Sash chains
- Cable clamps
- Cable bushings
- Sealing gaskets



## CA-COM

- Threaded coupling
- Mateable with all connectors according to MIL-C-5015 and series CA respectively
- Either solder or crimp contacts
- Contact arrangements with 1 to 37 contacts
- Wire sizes from 0,14 up to 2,5 mm<sup>2</sup>
- Shells made of aluminum alloy enable to withstand high mechanical strain\*
- Surface protected by nickel plating
- Resilient insulator (polychloroprene) for wide temperature range (-55/125°C)
- Resistant against aggressive fluids like fuel, oil, etc.
- Environmental by means of an adapter for PG termination, universal endbell and heat shrink boots
- Min 500 mating cycles
- Spray-waterproof IP67

## CA-COM-B

- Bayonet coupling
- Mateable with all connectors according to VG95234 and series CA respectively
- Either solder or crimp contacts
- Contact arrangements with 1 to 37 contacts
- Wire sizes from 0,14 up to 2,5 mm<sup>2</sup>
- Shells made of aluminum alloy enable to withstand high mechanical strain\*
- Surface protected by nickel plating
- Resilient insulator (polychloroprene) for wide temperature range (-55/125°C)
- Resistant against aggressive fluids like fuel, oil, etc.
- Environmental by means of an adapter for PG termination, universal endbell and heat shrink boots
- Min 500 mating cycles
- Waterproof (1 bar, 12h)

## Contents

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| Introduction .....         | 2 |
| Connector design .....     | 2 |
| Technical data .....       | 3 |
| How to order .....         | 4 |
| Contact arrangements ..... | 5 |

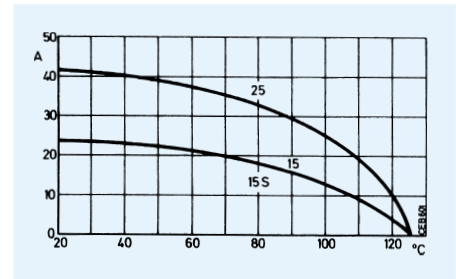
|                                   |
|-----------------------------------|
| Mounting dimensions .....         |
| Separating and coupling .....     |
| Shell styles and dimensions ..... |
| Accessories .....                 |
| Contact dimensions .....          |
| Tools .....                       |
| Product safety information .....  |

**Note:** \* Receptacle size 14S and barrels size 18 + 20 are made of Zr material.

|     |    |
|-----|----|
| 15S | 22 |
| 15  | 22 |
| 25  | 41 |
| 100 | 74 |

<sup>1)</sup> This applies only to the max. rated current for one contact. If several contacts in one contact arrangement are loaded with higher current the specific heat and the ambient temperature may not exceed +125°C.

### Rated current vs. ambient temperature



### Contact resistance (Millivolt test)

| Contact size metric | Contact resistance mΩ max |
|---------------------|---------------------------|
| 15S                 | 6                         |
| 15                  | 6                         |
| 25                  | 3                         |
| 100                 | 1                         |

**Insulation resistance** > 1000 MΩ

### Air and creepage paths mm (min)

| Voltage class    | Instr. | A   | D   |
|------------------|--------|-----|-----|
| Air path mm      | 0,7    | 1,1 | 2,8 |
| Creepage path mm | 0,7    | 1,1 | 2,8 |

### Operating Voltage and connector usage

When the connectors in this catalogue are used for voltages greater than 50 Volts and have touchable conductive shell parts they must be used in accordance with the safety regulations DIN VDE Part 410; IEC 60364-4-41. This regulation basically dictates that the power source should be turned off before any mating and unmating of the connector, this regulation does not provide for protection against electrical shock when mating and unmating the connectors in the live condition.

### Min separating

| Contact size metric |
|---------------------|
| 15S                 |
| 15                  |
| 25                  |
| 100                 |

### Contact retention

Test force to be a

| Contact size metric |
|---------------------|
| 15S                 |
| 15                  |
| 25                  |
| 100                 |

### Coupling torque

The allowable c  
tested under ha

| Shell size | Allowa Closing (N ma CA-CO |
|------------|----------------------------|
|------------|----------------------------|

|        |      |
|--------|------|
| 10SL   | 3,0  |
| 12S    | 2,8  |
| 14S    | 5,9  |
| 16S/16 | 7,0  |
| 18     | 8,0  |
| 20     | 9,0  |
| 22     | 10,6 |
| 24     | 12,9 |
| 28     | 16,7 |
| 32     | 18,1 |
| 36     | 23,9 |

### Materials

| Shell     | Alu nic |
|-----------|---------|
| Contacts  | Co      |
| Insulator | Pol     |



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- 00 - Wall mount receptacle
- 01 - Cable connecting plug
- 02 - Box mount receptacle
- 20 - Box mount receptacle for rear wall mounting (Bayonett coupling only)
- 06 - Plug, straight
- 08 - Plug 90°

#### Class

- COM-E - Endbell with cable clamp <sup>1)</sup>
- COM-F - Endbell for flex tube
- COM-PG - Adapter for PG termination, environmental
- COM-L - PCB Solder termination
- COM-IN - universal endbell

#### Shell size

10SL, 12S, 14S, 16, 16S, 18,  
20, 22, 24, 28, 32\*, 36\* (\* = upon request)

#### Contact arrangement

see pages 6 – 8

#### Contact type

- P - Pin contact
- S - Socket contact

#### Alternate insert position

Insert insulator position – see page 9

#### Coupling

- B - Bayonet coupling
- without designation: threaded coupling

#### Modification

- 01 - metric crimp contacts
- 03 - Adapter for heat shrink boots and metric crimp contacts (only for bayonet coupling by shell style 01 + 06 class -E)
- 06 - Adapter for heat shrink boots and solder contacts (only for bayonet coupling by shell style 01 + 06 class -E)
- 44 - with end ring and grommet (for class E and F only)
- 48 - F-Endbell with O-ring
- DN - Adapter for heat shrink boots and solder contacts (Mod. for threaded coupling)
- F0 - without contacts (to be ordered separately)

<sup>1)</sup> except shell style 02 / 20

|      |        |       |         |         |
|------|--------|-------|---------|---------|
| 10SL | 10SL-3 | 3     | 15S     | 0,75 –  |
|      | 10SL-4 | 2     | 15S     | 0,75 –  |
| 12S  | 12SA10 | 4     | 15S     | 0,75 –  |
| 14S  | 14S-2  | 4     | 15S     | 0,75 –  |
|      | 14S-5  | 5     | 15S     | 0,75 –  |
|      | 14S-6  | 6     | 15S     | 0,75 –  |
|      | 14SA7  | 7     | 15S     | 0,75 –  |
| 16   | 16-10  | 3     | 25      | 2,0 – 3 |
| 16S  | 16S-1  | 7     | 15S     | 0,75 –  |
| 18   | 18-1   | 10    | 15      | 0,75 –  |
|      | 18-8   | 7 + 1 | 15 + 25 | 1 – 1,5 |
|      | 18-10  | 4     | 25      | 2,0 – 3 |
|      | 18-11  | 5     | 25      | 2,0 – 3 |
|      | 18-12  | 6     | 15      | 0,75 –  |
| 20   | 20-15  | 7     | 25      | 2,0 – 3 |
|      | 20-17  | 1     | 15      | 0,75 –  |
|      |        | 5     | 25      | 2,0 – 3 |
|      | 20-19  | 3     | 100     | 10      |
|      | 20-27  | 14    | 15      | 0,75 –  |
|      | 20-29  | 17    | 15      | 0,75 –  |
| 22   | 22-14  | 19    | 15      | 0,75 –  |
|      | 22-19  | 14    | 15      | 0,75 –  |
|      | 22-23  | 8     | 25      | 2,0 – 3 |
| 24   | 24-28  | 24    | 15      | 0,75 –  |
| 28   | 28-15  | 35    | 15      | 0,75 –  |

Additional contact arrangements (per MIL-C-5015 and VG95234) up

## Wire selection

| Contact size | Wire sizes for crimp and solder c |       |
|--------------|-----------------------------------|-------|
| Metric       | Metric                            | Condu |
|              | mm <sup>2</sup>                   | Ø mm  |
| 15S          | 0,75 – 1,5                        | 1,6 – |
| 15           | 0,75 – 1,5                        | 1,6 – |
| 25           | 2,0 – 3,0                         | 2,9 – |
| 100          | 10,0                              | 4,2 – |

## Stripping lengths of wires

Strip wires carefully. Do not damage conductors and insulation.

For solder connections, wires have to be pretinned. Do not use crimp contacts, otherwise no perfect crimp connection will be achieved. Clean conductors before crimping. Film of grease or lubricants on the conductors reduces crimp quality.

Stripping length for contacts sizes 15S, 15 and 25 is 6,2 mm.

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|                                                                                     |   |               |       |    |     |     |   |
|-------------------------------------------------------------------------------------|---|---------------|-------|----|-----|-----|---|
|     | 3 | 10SL-3<br>15S | A     | -  | -   | -   | - |
|    | 2 | 10SL-4<br>15S | A     | -  | -   | -   | - |
|    | 4 | 12SA10<br>15S | A     | -  | -   | -   | - |
|    | 4 | 14S-2<br>15S  | Inst. | -  | 120 | 240 | - |
|    | 5 | 14S-5<br>15S  | Inst. | -  | 110 | -   | - |
|    | 6 | 14S-6<br>15S  | Inst. | -  | -   | -   | - |
|   | 7 | 14SA7<br>15S  | Inst. | -  | -   | -   | - |
|  | 7 | 16S-1<br>15S  | A     | -  | -   | -   | - |
|  | 3 | 16-10<br>25   | A     | 90 | 180 | 270 | - |





|  |             |                   |                   |    |     |     |
|--|-------------|-------------------|-------------------|----|-----|-----|
|  | 10          | 18-1<br>15        | A<br>(B, C, F, G) | 70 | 145 | -   |
|  | 8<br>1<br>7 | 18-8<br>15<br>25  | A                 | 70 | -   | -   |
|  | 4           | 18-10<br>25       | A                 | -  | 120 | 240 |
|  | 5           | 18-11<br>25       | A                 | -  | 170 | 265 |
|  | 6           | 18-12<br>15       | A                 | 80 | -   | -   |
|  | 7           | 20-15<br>25       | A                 | 80 | -   | -   |
|  | 6<br>1<br>5 | 20-17<br>15<br>25 | A                 | 90 | 180 | 270 |
|  | 3           | 20-19<br>100      | A                 | 90 | 180 | 270 |
|  | 14          | 20-27<br>15       | A                 | 35 | 110 | 250 |





|  |    |             |                        |    |     |     |     |
|--|----|-------------|------------------------|----|-----|-----|-----|
|  | 17 | 20-29<br>15 | A                      | 80 | -   | -   | 280 |
|  | 19 | 22-14<br>15 | A                      | 80 | -   | -   | 280 |
|  | 14 | 22-19<br>15 | A                      | 80 | 110 | 250 | 280 |
|  | 8  | 22-23<br>25 | D(H)<br>A (all others) | 35 | -   | 250 | -   |
|  | 24 | 24-28<br>15 | Inst.                  | 80 | 110 | 250 | 280 |
|  | 35 | 28-15<br>15 | A                      | 80 | 110 | 250 | 280 |
|  | 37 | 28-21<br>15 | A                      | 80 | 110 | 250 | 280 |



| Contact arrangement | W  | X   | Y   |
|---------------------|----|-----|-----|
| 10SL-3              | -  | -   | -   |
| 10SL-4              | -  | -   | -   |
| 12SA10              | -  | -   | -   |
| 14S-2               | -  | 120 | 240 |
| 14S-5               | -  | 110 | -   |
| 14S-6               | -  | -   | -   |
| 14SA7               | -  | -   | -   |
| 16S-1               | -  | -   | -   |
| 16-10               | 90 | 180 | 270 |
| 18-1                | 70 | 145 | -   |
| 18-8                | 70 | -   | -   |
| 18-10               | -  | 120 | 240 |
| 18-11               | -  | 170 | 265 |
| 18-12               | 80 | -   | -   |
| 20-15               | 80 | -   | -   |
| 20-17               | 90 | 180 | 270 |
| 20-19               | 90 | 180 | 270 |
| 20-27               | 35 | 110 | 250 |
| 20-29               | 80 | -   | -   |
| 22-14               | 80 | -   | -   |
| 22-19               | 80 | 110 | 250 |
| 22-23               | 35 | -   | 250 |
| 24-28               | 80 | 110 | 250 |
| 28-15               | 80 | 110 | 250 |
| 28-21               | 80 | 110 | 250 |

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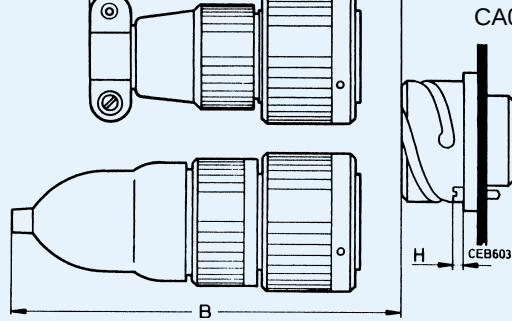
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| Shell<br>size | CA-COM Threaded                         |         | d H <sub>13</sub> | E-0,15 | CA-COM-Ba                               |
|---------------|-----------------------------------------|---------|-------------------|--------|-----------------------------------------|
|               | D H <sub>12</sub><br>CA00...<br>CA20... | CA02... |                   |        | D H <sub>12</sub><br>CA00...<br>CA20... |
| 10SL          | 16,0                                    | 16,4    | 3,4               | 18,2   | 18,5                                    |
| 12S           | 19,1                                    | 16,4    | 3,4               | 20,6   | 21,7                                    |
| 14S           | 22,3                                    | 19,7    | 3,4               | 23,0   | 24,9                                    |
| 16S/16        | 25,5                                    | 22,9    | 3,4               | 24,6   | 27,7                                    |
| 18            | 28,7                                    | 26,1    | 3,4               | 27,0   | 31,1                                    |
| 20            | 31,8                                    | 29,5    | 3,4               | 29,4   | 34,5                                    |
| 22            | 35,0                                    | 32,7    | 3,4               | 31,8   | 37,8                                    |
| 24            | 38,2                                    | 36,0    | 3,9               | 34,9   | 41,3                                    |
| 28            | 44,5                                    | 42,0    | 3,9               | 39,7   | 47,1                                    |
| 32            | 50,9                                    | 48,3    | 4,6               | 44,5   | 53,8                                    |
| 36            | 57,2                                    | 53,1    | 4,6               | 49,2   | 60,0                                    |



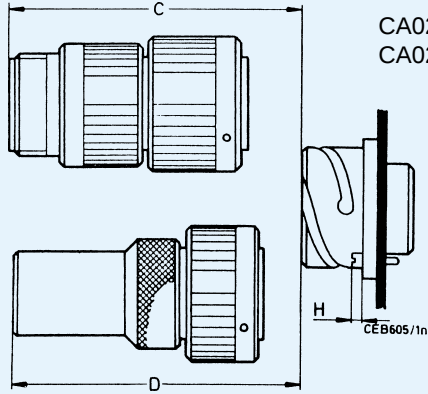
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CA06COM-E-DN  
CA06COM-E-B-03/-06

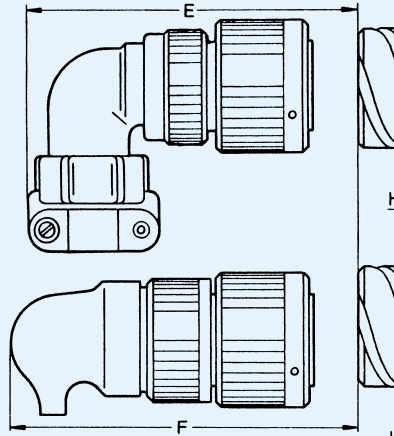
CA06COM-F  
CA06COM-F-B



CA02COM-E  
CA02COM-E-B

CA06COM-PG  
CA06COM-PG-B

CA08COM-E  
CA08COM-E-B



CA06COM-E-DN  
CA06COM-E-B

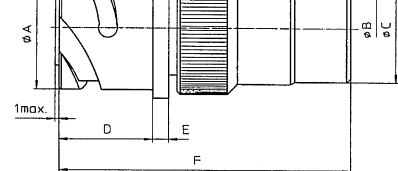
CA0  
CA2  
CA0  
CA2

| Shell size | A min | B min | C min | D min | E min |
|------------|-------|-------|-------|-------|-------|
| 10SL       | 70    | 70    | 65    | 80    | 70    |
| 12S        | 70    | 75    | 65    | 80    | 75    |
| 14S        | 70    | 75    | 65    | 80    | 75    |
| 16S        | 70    | 90    | 65    | 80    | 65    |
| 16         | 80    | 100   | 70    | 100   | 90    |
| 18         | 80    | 100   | 70    | 110   | 95    |
| 20         | 80    | 100   | 70    | 110   | 95    |
| 22         | 80    | 100   | 70    | 110   | 95    |
| 24         | 110   | 120   | 90    | 120   | 105   |
| 28         | 110   | 120   | 90    | 120   | 105   |
| 32         | 110   | 180   | 90    | 120   | 115   |
| 36         | 110   | 190   | 100   | 130   | 120   |

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CA00COM-PG-B is a wall mounting receptacle for usage of PG terminations. It mates with plugs CA06COM-B and CA08COM-B.

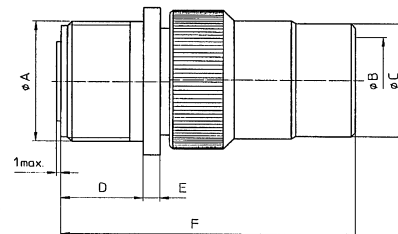


| Part No.                | A     | B      | C   | D     | E     | F   | G     | H     |
|-------------------------|-------|--------|-----|-------|-------|-----|-------|-------|
| Pin insert*             | -0,15 | Thread | max | +0,4  | ± 0,2 | max | ± 0,1 | ± 0,1 |
| CA00COM-PG10SL-**-P*-B- | 18,2  | PG9    | 18  | 18,2  | 2,8   | 56  | 18,2  | 25,4  |
| CA00COM-PG12S-**-P*-B-  | 21,4  | PG9    | 18  | 18,2  | 3,2   | 56  | 20,6  | 28,0  |
| CA00COM-PG14S-**-P*-B-  | 24,6  | PG11   | 22  | 18,2  | 3,2   | 56  | 23,0  | 30,0  |
| CA00COM-PG16S-**-P*-B-  | 27,4  | PG13,5 | 24  | 18,2  | 3,2   | 58  | 24,6  | 32,0  |
| CA00COM-PG16-**-P*-B-   | 27,4  | PG13,5 | 24  | 21,5  | 3,2   | 66  | 24,6  | 32,0  |
| CA00COM-PG18-**-P*-B-   | 30,8  | PG13,5 | 25  | 23,05 | 4,0   | 73  | 27,0  | 35,0  |
| CA00COM-PG20-**-P*-B-   | 34,2  | PG16   | 27  | 23,05 | 4,0   | 74  | 29,4  | 38,0  |
| CA00COM-PG22-**-P*-B-   | 37,4  | PG16   | 27  | 23,05 | 4,0   | 77  | 31,8  | 41,0  |
| CA00COM-PG24-**-P*-B-   | 40,9  | PG16   | 27  | 23,05 | 4,0   | 77  | 34,9  | 44,0  |
| CA00COM-PG28-**-P*-B-   | 46,7  | PG21   | 32  | 24,05 | 4,0   | 78  | 39,7  | 50,0  |
| CA00COM-PG32-**-P*-B-   | 53,4  | PG29   | 41  | 24,05 | 4,0   | 78  | 44,5  | 57,0  |
| CA00COM-PG36-**-P*-B-   | 59,6  | PG29   | 41  | 24,05 | 4,0   | 89  | 49,2  | 63,0  |



## CA00COM-PG with threaded coupling

CA00COM-PG is a wall mounting receptacle for usage of PG terminations. It mates with plugs CA06COM and CA08COM.



| Part No.             | A               | B      | C   | D    | E     | F   | G     | H     |
|----------------------|-----------------|--------|-----|------|-------|-----|-------|-------|
| Pin insert*          | Thread          | Thread | max | +0,4 | ± 0,3 | max | ± 0,1 | ± 0,1 |
| CA00COM-PG10SL-**-P* | 5/8-24UNEF-2A   | PG9    | 18  | 14,2 | 2,8   | 52  | 18,2  | 25,4  |
| CA00COM-PG12S-**-P*  | 3/4-20UNEF-2A   | PG9    | 19  | 14,2 | 3,2   | 52  | 20,6  | 28,0  |
| CA00COM-PG14S-**-P*  | 7/8-20UNEF-2A   | PG11   | 22  | 14,2 | 3,2   | 52  | 23,0  | 30,0  |
| CA00COM-PG16S-**-P*  | 1-20UNEF-2A     | PG13,5 | 24  | 14,2 | 3,2   | 54  | 24,6  | 32,0  |
| CA00COM-PG16-**-P*   | 1-20UNEF-2A     | PG13,5 | 24  | 19,0 | 3,2   | 64  | 24,6  | 32,0  |
| CA00COM-PG18-**-P*   | 1-1/8-18UNEF-2A | PG13,5 | 25  | 19,0 | 4,0   | 69  | 27,0  | 35,0  |
| CA00COM-PG20-**-P*   | 1-1/4-18UNEF-2A | PG16   | 27  | 19,0 | 4,0   | 70  | 29,4  | 38,0  |
| CA00COM-PG22-**-P*   | 1-3/8-18UNEF-2A | PG16   | 27  | 19,0 | 4,0   | 73  | 31,8  | 41,0  |
| CA00COM-PG24-**-P*   | 1-1/2-18UNEF-2A | PG16   | 27  | 20,6 | 4,0   | 74  | 34,9  | 44,0  |
| CA00COM-PG28-**-P*   | 1-3/4-18UNS-2A  | PG21   | 32  | 20,6 | 4,0   | 74  | 39,7  | 50,0  |
| CA00COM-PG32-**-P*   | 2-18UNS-2A      | PG29   | 41  | 22,2 | 4,0   | 76  | 44,5  | 57,0  |
| CA00COM-PG36-**-P*   | 2-1/4-16UN-2A   | PG29   | 41  | 22,2 | 4,0   | 87  | 49,2  | 63,0  |

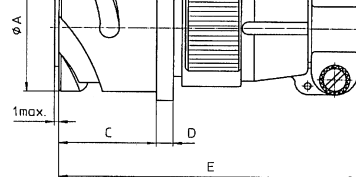
\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)





CA00COM-B is a wall mounting receptacle with endbell and cable clamp. It mates with plugs CA06COM-B and CA08COM-B.

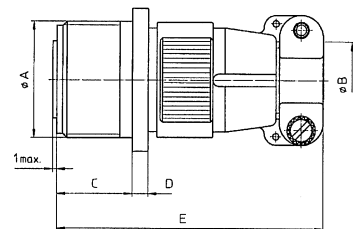


| Part No.               | A     | B <sup>1)</sup> | C     | D    | E   | F     | G |
|------------------------|-------|-----------------|-------|------|-----|-------|---|
| Pin Insert*            | -0,15 | +0,4            | +0,4  | +0,2 | max | ± 0,1 | ± |
| CA00COM-E10SL-**-P*-B- | 18,2  | 7,9             | 18,2  | 2,8  | 57  | 18,2  | 2 |
| CA00COM-E12S-**-P*-B-  | 21,4  | 7,9             | 18,2  | 3,2  | 57  | 20,6  | 2 |
| CA00COM-E14S-**-P*-B-  | 24,6  | 11,1            | 18,2  | 3,2  | 59  | 23,0  | 3 |
| CA00COM-E16S-**-P*-B-  | 27,4  | 14,2            | 18,2  | 3,2  | 60  | 24,6  | 3 |
| CA00COM-E16-**-P*-B-   | 27,4  | 14,2            | 21,5  | 3,2  | 68  | 24,6  | 3 |
| CA00COM-E18-**-P*-B-   | 30,8  | 15,8            | 23,05 | 4,0  | 72  | 27,0  | 3 |
| CA00COM-E20-**-P*-B-   | 34,2  | 19,0            | 23,05 | 4,0  | 72  | 29,4  | 3 |
| CA00COM-E22-**-P*-B-   | 37,4  | 19,0            | 23,05 | 4,0  | 72  | 31,8  | 4 |
| CA00COM-E24-**-P*-B-   | 40,9  | 23,7            | 23,05 | 4,0  | 78  | 34,9  | 4 |
| CA00COM-E28-**-P*-B-   | 46,7  | 23,7            | 24,05 | 4,0  | 79  | 39,7  | 5 |
| CA00COM-E32-**-P*-B-   | 53,4  | 31,8            | 24,05 | 4,0  | 78  | 44,5  | 5 |
| CA00COM-E36-**-P*-B-   | 59,6  | 34,6            | 24,05 | 4,0  | 78  | 49,2  | 6 |



## CA00COM-E with threaded coupling

CA00COM-E is a wall mounting receptacle with endbell and cable clamp. It mates with plugs CA06COM and CA08COM.



| Part No.            | A               | B <sup>1)</sup> | C     | D   | E     | F     |
|---------------------|-----------------|-----------------|-------|-----|-------|-------|
| Pin Insert*         | Thread          | +0,4            | ± 0,3 | max | ± 0,1 | ± 0,1 |
| CA00COM-E10SL-**-P* | 5/8-24UNEF-2A   | 7,9             | 14,2  | 2,8 | 53    | 18,2  |
| CA00COM-E12S-**-P*  | 3/4-20UNEF-2A   | 7,9             | 14,2  | 3,2 | 53    | 20,6  |
| CA00COM-E14S-**-P*  | 7/8-20UNEF-2A   | 11,1            | 14,2  | 3,2 | 55    | 23,0  |
| CA00COM-E16S-**-P*  | 1-20UNEF-2A     | 14,2            | 14,2  | 3,2 | 56    | 24,6  |
| CA00COM-E16-**-P*   | 1-20UNEF-2A     | 14,2            | 19,0  | 3,2 | 66    | 24,6  |
| CA00COM-E18-**-P*   | 1-1/8-18UNEF-2A | 15,8            | 19,0  | 4,0 | 68    | 27,0  |
| CA00COM-E20-**-P*   | 1-1/4-18UNEF-2A | 19,0            | 19,0  | 4,0 | 68    | 29,4  |
| CA00COM-E22-**-P*   | 1-3/8-18UNEF-2A | 19,0            | 19,0  | 4,0 | 68    | 31,8  |
| CA00COM-E24-**-P*   | 1-1/2-18UNEF-2A | 23,7            | 20,6  | 4,0 | 76    | 34,9  |
| CA00COM-E28-**-P*   | 1-3/4-18UNS-2A  | 23,7            | 20,6  | 4,0 | 76    | 39,7  |
| CA00COM-E32-**-P*   | 2-18UNS-2A      | 31,8            | 22,2  | 4,0 | 76    | 44,5  |
| CA00COM-E36-**-P*   | 2-1/4-16UN-2A   | 34,6            | 22,2  | 4,0 | 76    | 49,2  |

\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)

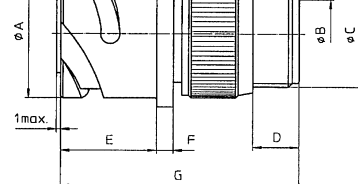
<sup>1)</sup> max cable dia

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CA00COM-F is a wall mounting receptacle with endbell for flex tubes. It mates with plugs CA06COM-B and CA08COM-B.

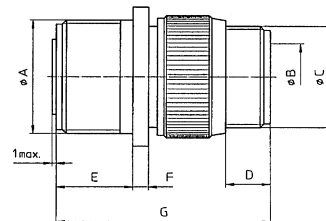


| Part No.               | A     | B <sup>1)</sup> | C                | D    | E     | F     | G   | H     |
|------------------------|-------|-----------------|------------------|------|-------|-------|-----|-------|
| Pin insert*            | -0,15 |                 | Thread           | min  | +0,4  | ± 0,2 | max | ± 0,1 |
| CA00COM-F10SL-**-P*-B- | 18,2  | 8,2             | 5/8-24UNEF-2A    | 9,5  | 18,2  | 2,8   | 50  | 18,2  |
| CA00COM-F12S-**-P*-B-  | 21,4  | 8,2             | 5/8-24UNEF-2A    | 9,5  | 18,2  | 3,2   | 50  | 20,6  |
| CA00COM-F14S-**-P*-B-  | 24,6  | 11,1            | 3/4-20UNEF-2A    | 9,5  | 18,2  | 3,2   | 50  | 23,0  |
| CA00COM-F16S-**-P*-B-  | 27,4  | 14,3            | 7/8-20UNEF-2A    | 9,5  | 18,2  | 3,2   | 50  | 24,6  |
| CA00COM-F16-**-P*-B-   | 27,4  | 14,3            | 7/8-20UNEF-2A    | 9,5  | 21,5  | 3,2   | 57  | 24,6  |
| CA00COM-F18-**-P*-B-   | 30,8  | 16,7            | 1-20UNEF-2A      | 9,5  | 23,05 | 4,0   | 59  | 27,0  |
| CA00COM-F20-**-P*-B-   | 34,2  | 19,8            | 1-3/16-18UNEF-2A | 9,5  | 23,05 | 4,0   | 59  | 29,4  |
| CA00COM-F22-**-P*-B-   | 37,4  | 19,8            | 1-3/16-18UNEF-2A | 9,5  | 23,05 | 4,0   | 62  | 31,8  |
| CA00COM-F24-**-P*-B-   | 40,9  | 25,4            | 1-7/16-18UNEF-2A | 9,5  | 23,05 | 4,0   | 62  | 34,9  |
| CA00COM-F28-**-P*-B-   | 46,7  | 27,0            | 1-7/16-18UNEF-2A | 9,5  | 24,05 | 4,0   | 64  | 39,7  |
| CA00COM-F32-**-P*-B-   | 53,4  | 32,5            | 1-3/4-18UNS-2A   | 11,0 | 24,05 | 4,0   | 64  | 44,5  |
| CA00COM-F36-**-P*-B-   | 59,6  | 35,7            | 2-18UNS-2A       | 11,8 | 24,05 | 4,0   | 66  | 49,2  |



## CA00COM-F with threaded coupling

CA00COM-F is a wall mounting receptacle with endbell for flex tubes. It mates with plugs CA06COM and CA08COM.



| Part No.            | A               | B <sup>1)</sup> | C                | D    | E    | F     | G   | H     |
|---------------------|-----------------|-----------------|------------------|------|------|-------|-----|-------|
| Pin Insert*         | Thread          |                 | Thread           | min  | +0,4 | ± 0,3 | max | ± 0,1 |
| CA00COM-F10SL-**-P* | 5/8-24UNEF-2A   | 8,2             | 5/8-24UNEF-2A    | 9,5  | 14,2 | 2,8   | 45  | 18,2  |
| CA00COM-F12S-**-P*  | 3/4-20UNEF-2A   | 8,2             | 5/8-24UNEF-2A    | 9,5  | 14,2 | 3,2   | 45  | 20,6  |
| CA00COM-F14S-**-P*  | 7/8-20UNEF-2A   | 11,1            | 3/4-20UNEF-2A    | 9,5  | 14,2 | 3,2   | 45  | 23,0  |
| CA00COM-F16S-**-P*  | 1-20UNEF-2A     | 14,3            | 7/8-20UNEF-2A    | 9,5  | 14,2 | 3,2   | 45  | 24,6  |
| CA00COM-F16-**-P*   | 1-20UNEF-2A     | 14,3            | 7/8-20UNEF-2A    | 9,5  | 19,0 | 3,2   | 54  | 24,6  |
| CA00COM-F18-**-P*   | 1-1/8-18UNEF-2A | 16,7            | 1-20UNEF-2A      | 9,5  | 19,0 | 4,0   | 54  | 27,0  |
| CA00COM-F20-**-P*   | 1-1/4-18UNEF-2A | 19,8            | 1-3/16-18UNEF-2A | 9,5  | 19,0 | 4,0   | 55  | 29,4  |
| CA00COM-F22-**-P*   | 1-3/8-18UNEF-2A | 19,8            | 1-3/16-18UNEF-2A | 9,5  | 19,0 | 4,0   | 58  | 31,8  |
| CA00COM-F24-**-P*   | 1-1/2-18UNEF-2A | 25,4            | 1-7/16-18UNEF-2A | 9,5  | 20,6 | 4,0   | 59  | 34,9  |
| CA00COM-F28-**-P*   | 1-3/4-18UNS-2A  | 27,0            | 1-7/16-18UNEF-2A | 9,5  | 20,6 | 4,0   | 60  | 39,7  |
| CA00COM-F32-**-P*   | 2-18UNS-2A      | 32,5            | 1-3/4-18UNS-2A   | 11,0 | 22,2 | 4,0   | 62  | 44,5  |
| CA00COM-F36-**-P*   | 2-1/4-16UN-2A   | 35,7            | 2-18UNS-2A       | 11,8 | 22,2 | 4,0   | 64  | 49,2  |

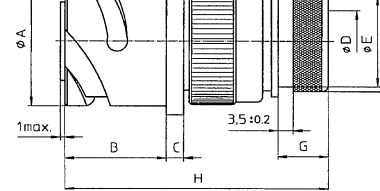
\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)

<sup>1)</sup> max cable dia



CA00COM-E-B/03/00 is a wall mounting receptacle (wire sealing) for heat shrink boots. It mates with plugs CA06COM-B and CA08COM-B.

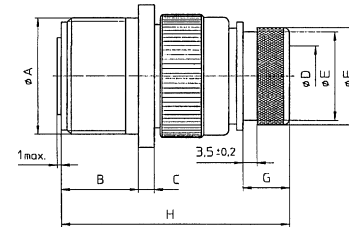


| Part No.<br>Pin Insert* | A     | B     | C     | D <sup>1)</sup> | E    | F     | G     | H   | I   |
|-------------------------|-------|-------|-------|-----------------|------|-------|-------|-----|-----|
| CA00COM-E10SL-**-P*-B-  | -0,15 | +0,4  | ± 0,3 | 7,7             | max  | ± 0,2 | ± 0,5 | max | ± 0 |
| CA00COM-E12S-**-P*-B-   | 18,2  | 18,2  | 2,8   | 7,7             | 13,3 | 15,5  | 11,7  | 53  | 18  |
| CA00COM-E14S-**-P*-B-   | 21,4  | 18,2  | 3,2   | 7,9             | 13,3 | 15,5  | 11,7  | 53  | 20  |
| CA00COM-E16S-**-P*-B-   | 24,6  | 18,2  | 3,2   | 10,6            | 17,0 | 19,1  | 11,7  | 53  | 23  |
| CA00COM-E16S-**-P*-B-   | 27,4  | 18,2  | 3,2   | 13,5            | 21,9 | 23,9  | 11,7  | 53  | 24  |
| CA00COM-E16-**-P*-B-    | 27,4  | 21,5  | 3,2   | 13,5            | 21,9 | 23,9  | 11,5  | 61  | 24  |
| CA00COM-E18-**-P*-B-    | 30,8  | 23,05 | 4,0   | 14,6            | 21,9 | 23,9  | 11,5  | 62  | 27  |
| CA00COM-E20-**-P*-B-    | 34,2  | 23,05 | 4,0   | 18,7            | 26,2 | 29,6  | 12,7  | 64  | 29  |
| CA00COM-E22-**-P*-B-    | 37,4  | 23,05 | 4,0   | 20,8            | 26,2 | 29,6  | 12,7  | 64  | 31  |
| CA00COM-E24-**-P*-B-    | 40,9  | 23,05 | 4,0   | 24,6            | 34,5 | 37,8  | 12,7  | 64  | 34  |
| CA00COM-E28-**-P*-B-    | 45,7  | 24,05 | 4,0   | 27,0            | 34,5 | 37,8  | 12,7  | 66  | 39  |
| CA00COM-E32-**-P*-B-    | 53,4  | 24,05 | 4,0   | 33,3            | 43,6 | 47,8  | 15,2  | 69  | 44  |
| CA00COM-E36-**-P*-B-    | 59,6  | 24,05 | 4,0   | 38,5            | 43,6 | 47,8  | 15,2  | 70  | 49  |



## CA00COM-E-DN with threaded coupling

CA00COM-E-DN is a wall mounting receptacle with endbell (wire sealing) for heat shrink boots. It mates with plugs CA06COM and CA08COM.



| Part No.<br>Pin Insert* | A               | B    | C     | D <sup>1)</sup> | E    | F     | G     | H   |
|-------------------------|-----------------|------|-------|-----------------|------|-------|-------|-----|
| CA00COM-E10SL-**-P*-DN  | Thread          | +0,4 | ± 0,3 | 7,7             | max  | ± 0,2 | ± 0,5 | max |
| CA00COM-E12S-**-P*-DN   | 5/8-24UNEF-2A   | 14,2 | 2,8   | 7,7             | 13,3 | 15,5  | 11,7  | 49  |
| CA00COM-E14S-**-P*-DN   | 3/4-20UNEF-2A   | 14,2 | 3,2   | 7,9             | 13,3 | 15,5  | 11,7  | 49  |
| CA00COM-E14S-**-P*-DN   | 7/8-20UNEF-2A   | 14,2 | 3,2   | 10,6            | 17,0 | 19,1  | 11,7  | 49  |
| CA00COM-E16S-**-P*-DN   | 1-20UNEF-2A     | 14,2 | 3,2   | 13,5            | 21,9 | 23,9  | 11,7  | 49  |
| CA00COM-E16-**-P*-DN    | 1-20UNEF-2A     | 19,0 | 3,2   | 13,5            | 21,9 | 23,9  | 11,5  | 58  |
| CA00COM-E18-**-P*-DN    | 1-1/8-18UNEF-2A | 19,0 | 4,0   | 14,6            | 21,9 | 23,9  | 11,5  | 58  |
| CA00COM-E20-**-P*-DN    | 1-1/4-18UNEF-2A | 19,0 | 4,0   | 14,6            | 26,2 | 23,9  | 12,7  | 60  |
| CA00COM-E22-**-P*-DN    | 1-3/8-18UNEF-2A | 19,0 | 4,0   | 20,8            | 26,2 | 29,6  | 12,7  | 60  |
| CA00COM-E24-**-P*-DN    | 1-1/2-18UNEF-2A | 20,6 | 4,0   | 24,6            | 34,5 | 37,8  | 12,7  | 63  |
| CA00COM-E28-**-P*-DN    | 1-3/4-18UNS-2A  | 20,6 | 4,0   | 27,0            | 34,5 | 37,8  | 12,7  | 63  |
| CA00COM-E32-**-P*-DN    | 2-18UNS-2A      | 22,2 | 4,0   | 33,3            | 43,6 | 47,8  | 15,2  | 67  |
| CA00COM-E36-**-P*-DN    | 2-1/4-16UN-2A   | 22,2 | 4,0   | 38,5            | 43,6 | 47,8  | 15,2  | 68  |

\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)

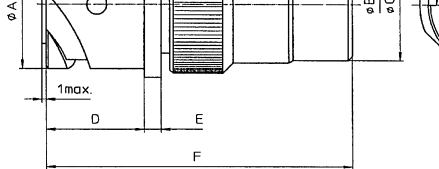
<sup>1)</sup> max cable dia

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CA01COM-PG-B is a cable connecting plug for usage of PG terminations. It mates with plugs CA06COM-B and CA08COM-B.

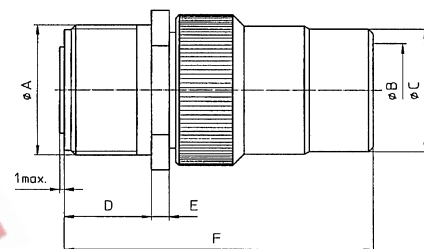


| Part No.<br>Pin Insert* | A     | B      | C   | D     | E     | F   | G    |
|-------------------------|-------|--------|-----|-------|-------|-----|------|
|                         | -0,15 | Thread | max | +0,4  | ± 0,2 | max | max  |
| CA01COM-PG10SL-**-P*-B  | 18,2  | PG9    | 18  | 18,2  | 2,8   | 56  | 25,2 |
| CA01COM-PG12S-**-P*-B   | 21,4  | PG9    | 19  | 18,2  | 3,2   | 56  | 27,8 |
| CA01COM-PG14S-**-P*-B   | 24,6  | PG11   | 22  | 18,2  | 3,2   | 56  | 29,8 |
| CA01COM-PG16S-**-P*-B   | 27,4  | PG13,5 | 24  | 18,2  | 3,2   | 58  | 32,3 |
| CA01COM-PG16-**-P*-B    | 27,4  | PG13,5 | 24  | 18,2  | 3,2   | 66  | 32,3 |
| CA01COM-PG18-**-P*-B    | 30,8  | PG13,5 | 25  | 23,05 | 4,0   | 73  | 34,8 |
| CA01COM-PG20-**-P*-B    | 34,2  | PG16   | 27  | 23,05 | 4,0   | 74  | 37,8 |
| CA01COM-PG22-**-P*-B    | 37,4  | PG16   | 27  | 23,05 | 4,0   | 77  | 41,1 |
| CA01COM-PG24-**-P*-B    | 40,9  | PG16   | 27  | 23,05 | 4,0   | 77  | 44,6 |
| CA01COM-PG28-**-P*-B    | 46,7  | PG21   | 32  | 24,05 | 4,0   | 78  | 50,9 |
| CA01COM-PG32-**-P*-B    | 53,4  | PG29   | 41  | 24,05 | 4,0   | 78  | 57,1 |
| CA01COM-PG36-**-P*-B    | 59,6  | PG29   | 41  | 24,05 | 4,0   | 89  | 63,6 |



### CA01COM-PG with threaded coupling

CA01COM-PG is a cable connecting plug for usage of PG terminations. It mates with plugs CA06COM and CA08COM.



| Part No.<br>Pin Insert* | A               | B      | C   | D    | E     | F   | G    |
|-------------------------|-----------------|--------|-----|------|-------|-----|------|
|                         | Thread          | Thread | max | +0,4 | ± 0,3 | max | max  |
| CA01COM-PG10SL-**-P*    | 5/8-24UNEF-2A   | PG9    | 18  | 14,2 | 2,8   | 52  | 21,8 |
| CA01COM-PG12S-**-P*     | 3/4-20UNEF-2A   | PG9    | 19  | 14,2 | 3,2   | 52  | 25,0 |
| CA01COM-PG14S-**-P*     | 7/8-20UNEF-2A   | PG11   | 22  | 14,2 | 3,2   | 52  | 28,2 |
| CA01COM-PG16S-**-P*     | 1-20UNEF-2A     | PG13,5 | 24  | 14,2 | 3,2   | 54  | 31,4 |
| CA01COM-PG16-**-P*      | 1-20UNEF-2A     | PG13,5 | 24  | 19,0 | 3,2   | 64  | 31,4 |
| CA01COM-PG18-**-P*      | 1-1/8-18UNEF-2A | PG13,5 | 25  | 19,0 | 4,0   | 69  | 34,5 |
| CA01COM-PG20-**-P*      | 1-1/4-18UNEF-2A | PG16   | 27  | 19,0 | 4,0   | 70  | 37,7 |
| CA01COM-PG22-**-P*      | 1-3/8-18UNEF-2A | PG16   | 27  | 19,0 | 4,0   | 73  | 40,9 |
| CA01COM-PG24-**-P*      | 1-1/2-18UNEF-2A | PG16   | 27  | 20,6 | 4,0   | 74  | 43,8 |
| CA01COM-PG28-**-P*      | 1-3/4-18UNS-2A  | PG21   | 32  | 20,6 | 4,0   | 74  | 50,4 |
| CA01COM-PG32-**-P*      | 2-18UNS-2A      | PG29   | 41  | 22,2 | 4,0   | 76  | 56,8 |
| CA01COM-PG36-**-P*      | 2-1/4-16UN-2A   | PG29   | 41  | 22,2 | 4,0   | 87  | 63,1 |

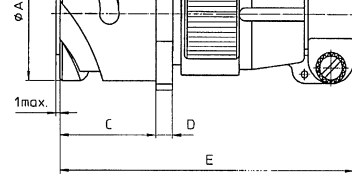
\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)





CA01COM-E is a cable connecting plug with endbell and cable clamp. It mates with plugs CA06COM-B and CA08COM-B.

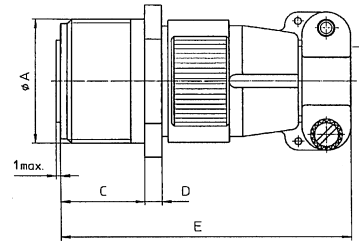


| Part No.              | A     | B <sup>1)</sup> | C     | D     | E   | F    |
|-----------------------|-------|-----------------|-------|-------|-----|------|
| Pin insert*           | -0,15 |                 | +0,4  | ± 0,2 | max | max  |
| CA01COM-E10SL-**-P*-B | 18,2  | 7,9             | 18,2  | 2,8   | 57  | 25,2 |
| CA01COM-E12S-**-P*-B  | 21,4  | 7,9             | 18,2  | 3,2   | 57  | 27,8 |
| CA01COM-E14S-**-P*-B  | 24,6  | 11,1            | 18,2  | 3,2   | 59  | 29,8 |
| CA01COM-E16S-**-P*-B  | 27,4  | 14,2            | 18,2  | 3,2   | 60  | 32,3 |
| CA01COM-E16-**-P*-B   | 27,4  | 14,2            | 21,5  | 3,2   | 68  | 32,3 |
| CA01COM-E18-**-P*-B   | 30,8  | 15,8            | 23,05 | 4,0   | 72  | 34,8 |
| CA01COM-E20-**-P*-B   | 34,2  | 19,0            | 23,05 | 4,0   | 72  | 37,8 |
| CA01COM-E22-**-P*-B   | 37,4  | 19,0            | 23,05 | 4,0   | 72  | 41,1 |
| CA01COM-E24-**-P*-B   | 40,9  | 23,7            | 23,05 | 4,0   | 78  | 44,4 |
| CA01COM-E28-**-P*-B   | 46,7  | 23,7            | 24,05 | 4,0   | 79  | 50,9 |
| CA01COM-E32-**-P*-B   | 53,4  | 31,8            | 24,05 | 4,0   | 78  | 57,1 |
| CA01COM-E36-**-P*-B   | 59,6  | 34,6            | 24,05 | 4,0   | 78  | 63,6 |



### CA01COM-E with threaded coupling

CA01COM-E is a cable connecting plug with endbell and cable clamp. It mates with plugs CA06COM and CA08COM.



| Part No.            | A               | B <sup>1)</sup> | C    | D     | E   |
|---------------------|-----------------|-----------------|------|-------|-----|
| Pin Insert*         | Thread          |                 | +0,4 | ± 0,3 | max |
| CA01COM-E10SL-**-P* | 5/8-24UNEF-2A   | 7,9             | 14,2 | 2,8   | 53  |
| CA01COM-E12S-**-P*  | 3/4-20UNEF-2A   | 7,9             | 14,2 | 3,2   | 53  |
| CA01COM-E14S-**-P*  | 7/8-20UNEF-2A   | 11,1            | 14,2 | 3,2   | 55  |
| CA01COM-E16S-**-P*  | 1-20UNEF-2A     | 14,2            | 14,2 | 3,2   | 56  |
| CA01COM-E16-**-P*   | 1-20UNEF-2A     | 14,2            | 19,0 | 3,2   | 66  |
| CA01COM-E18-**-P*   | 1-1/8-18UNEF-2A | 15,8            | 19,0 | 4,0   | 68  |
| CA01COM-E20-**-P*   | 1-1/4-18UNEF-2A | 19,0            | 19,0 | 4,0   | 68  |
| CA01COM-E22-**-P*   | 1-3/8-18UNEF-2A | 19,0            | 19,0 | 4,0   | 68  |
| CA01COM-E24-**-P*   | 1-1/2-18UNEF-2A | 23,7            | 20,6 | 4,0   | 76  |
| CA01COM-E28-**-P*   | 1-3/4-18UNS-2A  | 23,7            | 20,6 | 4,0   | 76  |
| CA01COM-E32-**-P*   | 2-18UNS-2A      | 31,8            | 22,2 | 4,0   | 76  |
| CA01COM-E36-**-P*   | 2-1/4-16UN-2A   | 34,6            | 22,2 | 4,0   | 76  |

\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)

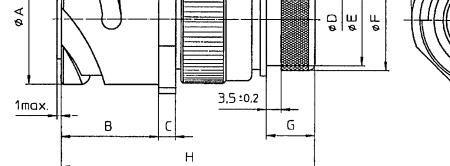
<sup>1)</sup> max cable dia

Cannon  ITT Industries





CA01COM-E-DN is a cable connecting plug with endbell (wire sealing) for heat shrink boots. It mates with plugs CA06COM-B and CA08COM-B.

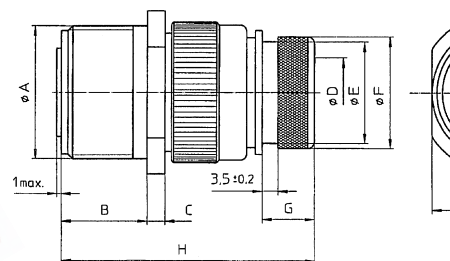


| Part No.               | A     | B     | C     | D <sup>1)</sup> | E    | F     | G     | H   | I    |
|------------------------|-------|-------|-------|-----------------|------|-------|-------|-----|------|
| Pin insert*            | -0,15 | +0,4  | ± 0,3 |                 | max  | ± 0,2 | ± 0,5 | max | max  |
| CA01COM-E10SL-**-P*-B- | 18,2  | 18,2  | 2,8   | 7,7             | 13,3 | 15,5  | 11,7  | 53  | 25,2 |
| CA01COM-E12S-**-P*-B-  | 21,4  | 18,2  | 3,2   | 7,9             | 13,3 | 15,5  | 11,7  | 53  | 27,8 |
| CA01COM-E14S-**-P*-B-  | 24,6  | 18,2  | 3,2   | 10,6            | 17,0 | 19,1  | 11,7  | 53  | 29,8 |
| CA01COM-E16S-**-P*-B-  | 27,4  | 18,2  | 3,2   | 13,5            | 21,9 | 23,9  | 11,7  | 53  | 32,3 |
| CA01COM-E16-**-P*-B-   | 27,4  | 21,5  | 3,2   | 13,5            | 21,9 | 23,9  | 11,5  | 61  | 32,3 |
| CA01COM-E18-**-P*-B-   | 30,8  | 23,05 | 4,0   | 14,6            | 21,9 | 23,9  | 11,5  | 62  | 34,8 |
| CA01COM-E20-**-P*-B-   | 34,2  | 23,05 | 4,0   | 18,7            | 26,2 | 29,6  | 12,7  | 64  | 37,8 |
| CA01COM-E22-**-P*-B-   | 37,4  | 23,05 | 4,0   | 20,8            | 26,2 | 29,6  | 12,7  | 64  | 41,1 |
| CA01COM-E24-**-P*-B-   | 40,9  | 23,05 | 4,0   | 24,6            | 34,5 | 37,8  | 12,7  | 64  | 44,6 |
| CA01COM-E28-**-P*-B-   | 46,7  | 24,05 | 4,0   | 27,0            | 34,5 | 37,8  | 12,7  | 66  | 50,9 |
| CA01COM-E32-**-P*-B-   | 53,4  | 24,05 | 4,0   | 33,3            | 43,6 | 47,8  | 15,2  | 69  | 57,1 |
| CA01COM-E36-**-P*-B-   | 59,6  | 24,05 | 4,0   | 38,5            | 43,6 | 47,8  | 15,2  | 70  | 63,6 |



## CA01COM-E-DN with threaded coupling

CA01COM-E-DN is a cable connecting plug with endbell (wire sealing) for heat shrink boots. It mates with plugs CA06COM and CA08COM.



| Part No.               | A               | B     | C     | D <sup>1)</sup> | E     | F     | G    | H   |
|------------------------|-----------------|-------|-------|-----------------|-------|-------|------|-----|
| Pin insert*            | Thread          | ± 0,3 | ± 0,3 | max             | ± 0,2 | ± 0,5 | max  | max |
| CA01COM-E10SL-**-P*-DN | 5/8-24UNEF-2A   | 14,2  | 2,8   | 7,7             | 13,3  | 15,5  | 11,7 | 49  |
| CA01COM-E12S-**-P*-DN  | 3/4-20UNEF-2A   | 14,2  | 3,2   | 7,9             | 13,3  | 15,5  | 11,7 | 49  |
| CA01COM-E14S-**-P*-DN  | 7/8-20UNEF-2A   | 14,2  | 3,2   | 10,6            | 17,0  | 19,1  | 11,7 | 49  |
| CA01COM-E16S-**-P*-DN  | 1-20UNEF-2A     | 14,1  | 3,2   | 13,5            | 21,9  | 23,9  | 11,7 | 49  |
| CA01COM-E16-**-P*-DN   | 1-20UNEF-2A     | 19,0  | 3,2   | 13,5            | 21,9  | 23,9  | 11,5 | 58  |
| CA01COM-E18-**-P*-DN   | 1-1/8-18UNEF-2A | 19,0  | 4,0   | 14,6            | 21,9  | 23,9  | 11,5 | 58  |
| CA01COM-E20-**-P*-DN   | 1-1/4-18UNEF-2A | 19,0  | 4,0   | 18,7            | 26,2  | 29,6  | 12,7 | 60  |
| CA01COM-E22-**-P*-DN   | 1-3/8-18UNEF-2A | 19,0  | 4,0   | 20,8            | 26,2  | 29,6  | 12,7 | 60  |
| CA01COM-E24-**-P*-DN   | 1-1/2-18UNEF-2A | 20,6  | 4,0   | 24,6            | 34,5  | 37,8  | 12,7 | 63  |
| CA01COM-E28-**-P*-DN   | 1-3/4-18UNS-2A  | 20,6  | 4,0   | 27,0            | 34,5  | 37,8  | 12,7 | 63  |
| CA01COM-E32-**-P*-DN   | 2-18UNS-2A      | 22,2  | 4,0   | 33,3            | 43,6  | 47,8  | 15,2 | 67  |
| CA01COM-E36-**-P*-DN   | 2-1/4-16UN-2A   | 22,2  | 4,0   | 38,5            | 43,6  | 47,8  | 15,2 | 68  |

\* For socket inserts substitute "S" for "P"

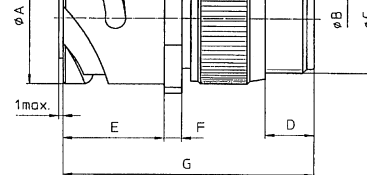
\*\* Add contact arrangement number (see pages 6 – 8)

<sup>1)</sup> max cable dia

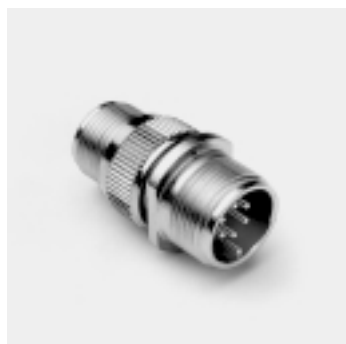




CA01COM-F is a cable connecting plug for flex tube. It mates with plugs CA06COM-B and CA08COM-B.

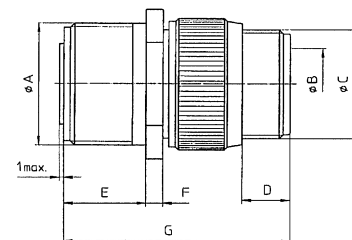


| Part No.<br>Pin Insert* | A     | B <sup>1)</sup> | C                | D    | E     | F     | G   |
|-------------------------|-------|-----------------|------------------|------|-------|-------|-----|
| CA01COM-F10SL-**-P*-B   | -0,15 |                 | Thread           | min  | +0,4  | ± 0,2 | max |
| CA01COM-F12S-**-P*-B    | 18,2  | 8,2             | 5/8-24UNEF-2A    | 9,5  | 18,2  | 2,8   | 50  |
| CA01COM-F14S-**-P*-B    | 18,2  | 8,2             | 5/8-24UNEF-2A    | 9,5  | 18,2  | 3,2   | 50  |
| CA01COM-F16S-**-P*-B    | 24,6  | 11,1            | 3/4-20UNEF-2A    | 9,5  | 18,2  | 3,2   | 50  |
| CA01COM-F16S-**-P*-B    | 27,4  | 14,3            | 7/8-20UNEF-2A    | 9,5  | 18,2  | 3,2   | 50  |
| CA01COM-F16-**-P*-B     | 27,4  | 14,3            | 7/8-20UNEF-2A    | 9,5  | 21,5  | 3,2   | 57  |
| CA01COM-F18-**-P*-B     | 30,8  | 16,7            | 1-20UNEF-2A      | 9,5  | 23,05 | 4,0   | 59  |
| CA01COM-F20-**-P*-B     | 34,2  | 19,8            | 1-3/16-18UNEF-2A | 9,5  | 32,05 | 4,0   | 59  |
| CA01COM-F22-**-P*-B     | 37,4  | 19,8            | 1-3/16-18UNEF-2A | 9,5  | 32,05 | 4,0   | 62  |
| CA01COM-F24-**-P*-B     | 40,9  | 25,4            | 1-7/16-18UNEF    | 9,5  | 23,05 | 4,0   | 62  |
| CA01COM-F28-**-P*-B     | 46,7  | 27,0            | 1-7/16-18UNEF    | 9,5  | 24,05 | 4,0   | 64  |
| CA01COM-F32-**-P*-B     | 53,4  | 32,5            | 1-3/4-18UNS-2A   | 11,0 | 24,05 | 4,0   | 64  |
| CA01COM-F36-**-P*-B     | 59,6  | 35,7            | 2-18UNS-2A       | 11,8 | 24,05 | 4,0   | 66  |



## CA01COM-F with threaded coupling

CA01COM-F is a cable connecting plug for flex tube. It mates with plugs CA06COM and CA08COM.



| Part No.<br>Pin Insert* | A               | B <sup>1)</sup> | C                | D    | E    | F     | G   |
|-------------------------|-----------------|-----------------|------------------|------|------|-------|-----|
| CA01COM-F10SL-**-P*     | Thread          |                 | Thread           | min  | +0,4 | ± 0,3 | max |
| CA01COM-F12S-**-P*      | 5/8-24UNEF-2A   | 8,2             | 5/8-24UNEF-2A    | 9,5  | 14,2 | 2,8   | 45  |
| CA01COM-F12S-**-P*      | 3/4-20UNEF-2A   | 8,2             | 5/8-24UNEF-2A    | 9,5  | 14,2 | 3,2   | 45  |
| CA01COM-F14S-**-P*      | 7/8-20UNEF-2A   | 11,1            | 3/4-20UNEF-2A    | 9,5  | 14,2 | 3,2   | 45  |
| CA01COM-F16S-**-P*      | 1-20UNEF-2A     | 14,3            | 7/8-20UNEF-2A    | 9,5  | 14,2 | 3,2   | 45  |
| CA01COM-F16-**-P*       | 1-20UNEF-2A     | 14,3            | 7/8-20UNEF-2A    | 9,5  | 14,2 | 3,2   | 54  |
| CA01COM-F18-**-P*       | 1-1/8-18UNEF-2A | 16,7            | 1-20UNEF-2A      | 9,5  | 19,0 | 4,0   | 54  |
| CA01COM-F20-**-P*       | 1-1/4-18UNEF-2A | 19,8            | 1-3/16-18UNEF-2A | 9,5  | 19,0 | 4,0   | 55  |
| CA01COM-F22-**-P*       | 1-3/8-18UNEF-2A | 19,8            | 1-3/16-18UNEF-2A | 9,5  | 20,6 | 4,0   | 58  |
| CA01COM-F24-**-P*       | 1-1/2-18UNEF-2A | 25,4            | 1-7/16-18UNEF-2A | 9,5  | 20,6 | 4,0   | 59  |
| CA01COM-F28-**-P*       | 1-3/4-18UNS-2A  | 27,0            | 1-7/16-18UNEF-2A | 9,5  | 20,6 | 4,0   | 60  |
| CA01COM-F32-**-P*       | 2-18UNS-2A      | 32,5            | 1-3/4-18UNS-2A   | 11,0 | 22,2 | 4,0   | 62  |
| CA01COM-F36-**-P*       | 2-1/4-16UN-2A   | 35,7            | 2-18UNS-2A       | 11,8 | 22,2 | 4,0   | 64  |

\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)

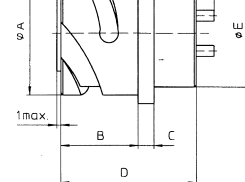
<sup>1)</sup> max cable dia

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CA02COM-E is a box mounting receptacle for front panel mounting. It mates with plugs CA06COM-B and CA08COM-B.

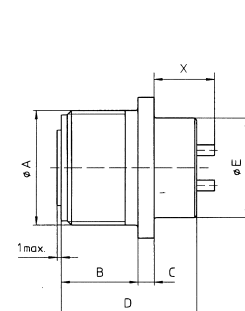


| Part No.              | A     | B    | C     | D     | E    | F     | G     | H               | X / Conta |
|-----------------------|-------|------|-------|-------|------|-------|-------|-----------------|-----------|
| Pin Insert*           | -0,15 | +0,4 | ± 0,2 | ± 0,3 | max  | ± 0,1 | ± 0,3 | H <sub>13</sub> | 15        |
| CA02COM-E10SL-**-P*-B | 18,2  | 14,2 | 2,8   | 24,7  | 16,2 | 18,2  | 25,4  | 3,2             | 13,6      |
| CA02COM-E12S-**-P*-B  | 21,4  | 14,2 | 3,2   | 24,7  | 16,2 | 20,6  | 28,0  | 3,2             | 13,2      |
| CA02COM-E14S-**-P*-B  | 24,6  | 14,2 | 3,2   | 24,7  | 19,2 | 23,0  | 30,0  | 3,2             | 13,2      |
| CA02COM-E16S-**-P*-B  | 27,4  | 14,2 | 3,2   | 24,7  | 22,4 | 24,6  | 32,5  | 3,2             | 13,2      |
| CA02COM-E16-**-P*-B   | 27,4  | 19,0 | 3,2   | 33,8  | 22,4 | 24,6  | 32,5  | 3,2             | 17,9      |
| CA02COM-E18-**-P*-B   | 30,8  | 19,0 | 4,0   | 33,8  | 25,6 | 27,0  | 35,0  | 3,2             | 17,1      |
| CA02COM-E20-**-P*-B   | 34,2  | 19,0 | 4,0   | 33,8  | 29,0 | 29,4  | 38,0  | 3,2             | 17,1      |
| CA02COM-E22-**-P*-B   | 37,4  | 19,0 | 4,0   | 33,8  | 32,2 | 31,8  | 41,0  | 3,2             | 17,1      |
| CA02COM-E24-**-P*-B   | 40,9  | 20,6 | 4,0   | 33,8  | 35,3 | 34,9  | 44,5  | 3,7             | 15,5      |
| CA02COM-E28-**-P*-B   | 46,7  | 20,6 | 4,0   | 33,8  | 41,4 | 39,7  | 50,8  | 3,7             | 15,5      |
| CA02COM-E32-**-P*-B   | 53,4  | 22,2 | 4,0   | 33,8  | 47,8 | 44,5  | 57,0  | 4,3             | 13,9      |
| CA02COM-E36-**-P*-B   | 59,6  | 22,2 | 4,0   | 33,8  | 52,6 | 49,2  | 63,5  | 4,3             | 13,9      |



## CA02COM-E with threaded coupling

CA02COM-E is a box mounting receptacle for front panel mounting. It mates with plugs CA06COM and CA08COM.



| Part No.            | A               | B    | C     | D    | E    | F     | G     | H    | X  |
|---------------------|-----------------|------|-------|------|------|-------|-------|------|----|
| Pin Insert*         | Thread          | +0,4 | ± 0,3 | max  | max  | ± 0,1 | ± 0,3 | +0,2 | 15 |
| CA02COM-E10SL-**-P* | 5/8-24UNEF-2A   | 14,2 | 2,8   | 25,1 | 15,9 | 18,2  | 25,4  | 3,1  | 13 |
| CA02COM-E12S-**-P*  | 3/4-20UNEF-2A   | 14,2 | 3,2   | 25,1 | 15,9 | 20,6  | 28,0  | 3,1  | 13 |
| CA02COM-E14S-**-P*  | 7/8-20UNEF-2A   | 14,2 | 3,2   | 25,1 | 19,0 | 23,0  | 30,0  | 3,1  | 13 |
| CA02COM-E16S-**-P*  | 1-20UNEF-2A     | 14,2 | 3,2   | 25,1 | 22,2 | 24,6  | 32,5  | 3,1  | 13 |
| CA02COM-E16-**-P*   | 1-20UNEF-2A     | 19,0 | 3,2   | 34,2 | 22,2 | 24,6  | 32,5  | 3,1  | 17 |
| CA02COM-E18-**-P*   | 1-1/8-18UNEF-2A | 19,0 | 4,0   | 34,2 | 25,4 | 27,0  | 35,0  | 3,1  | 17 |
| CA02COM-E20-**-P*   | 1-1/4-18UNEF-2A | 19,0 | 4,0   | 34,2 | 29,0 | 29,4  | 38,0  | 3,1  | 17 |
| CA02COM-E22-**-P*   | 1-3/8-18UNEF-2A | 19,0 | 4,0   | 34,2 | 32,2 | 31,8  | 41,0  | 3,1  | 17 |
| CA02COM-E24-**-P*   | 1-1/2-18UNEF-2A | 20,6 | 4,0   | 34,2 | 35,3 | 34,9  | 44,5  | 3,7  | 15 |
| CA02COM-E28-**-P*   | 1-3/4-18UNEF-2A | 20,6 | 4,0   | 34,2 | 41,2 | 39,7  | 50,8  | 3,7  | 15 |
| CA02COM-E32-**-P*   | 2-18UNS-2A      | 22,2 | 4,0   | 34,2 | 47,6 | 44,5  | 57,0  | 4,4  | 13 |
| CA02COM-E36-**-P*   | 2-1/4-16UN-2A   | 22,2 | 4,0   | 34,2 | 52,4 | 49,2  | 63,5  | 4,4  | 13 |

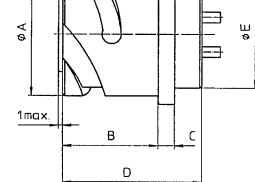
\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)

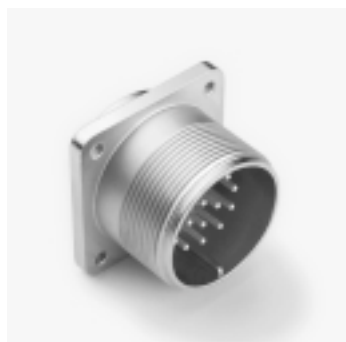




CA20COM-E is a box mounting receptacle for rear panel mounting. It mates with plugs CA06COM-B and CA08COM-B.

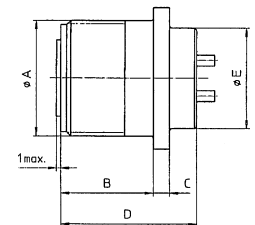


| Part No.<br>Pin Insert* | A     | B     | C     | D     | E    | F     |
|-------------------------|-------|-------|-------|-------|------|-------|
| CA20COM-E10SL-**-P*-B   | -0,15 | +0,4  | ± 0,2 | ± 0,3 | max  | ± 0,1 |
| CA20COM-E12S-**-P*-B    | 18,2  | 18,2  | 2,8   | 24,7  | 16,2 | 18,2  |
| CA20COM-E14S-**-P*-B    | 21,4  | 18,2  | 3,2   | 24,7  | 16,2 | 20,6  |
| CA20COM-E16S-**-P*-B    | 24,6  | 18,2  | 3,2   | 24,7  | 19,2 | 23,0  |
| CA20COM-E16S-**-P*-B    | 27,4  | 18,2  | 3,2   | 24,7  | 22,4 | 24,6  |
| CA20COM-E16-**-P*-B     | 27,4  | 21,5  | 3,2   | 33,8  | 22,4 | 24,6  |
| CA20COM-E18-**-P*-B     | 30,8  | 23,05 | 4,0   | 33,8  | 25,6 | 27,0  |
| CA20COM-E20-**-P*-B     | 34,2  | 23,05 | 4,0   | 33,8  | 29,0 | 29,4  |
| CA20COM-E22-**-P*-B     | 37,4  | 23,05 | 4,0   | 33,8  | 32,2 | 31,8  |
| CA20COM-E24-**-P*-B     | 40,9  | 23,05 | 4,0   | 33,8  | 35,3 | 34,9  |
| CA20COM-E28-**-P*-B     | 46,7  | 24,05 | 4,0   | 33,8  | 41,4 | 39,7  |
| CA20COM-E32-**-P*-B     | 53,4  | 24,05 | 4,0   | 33,8  | 47,8 | 44,5  |
| CA20COM-E36-**-P*-B     | 59,6  | 24,05 | 4,0   | 33,8  | 54,1 | 49,2  |



## CA20COM-E with threaded coupling

CA20COM-E is a box mounting receptacle for rear panel mounting. It mates with plugs CA06COM and CA08COM.



| Part No.<br>Pin insert* | A<br>Thread     | B<br>+0,4 | C<br>± 0,3 | D<br>max | E<br>max | F<br>± 0,1 | G<br>± 0,3 |
|-------------------------|-----------------|-----------|------------|----------|----------|------------|------------|
| CA20COM-E10SL-**-P*     | 5/8-24UNEF-2A   | 18,2      | 2,8        | 25,1     | 14,5     | 18,2       | 25,4       |
| CA20COM-E12S-**-P*      | 3/4-20UNEF-2A   | 18,2      | 3,2        | 25,1     | 16,1     | 20,6       | 28,0       |
| CA20COM-E14S-**-P*      | 7/8-20UNEF-2A   | 18,2      | 3,2        | 25,1     | 19,2     | 23,0       | 30,0       |
| CA20COM-E16S-**-P*      | 1-20UNEF-2A     | 18,2      | 3,2        | 25,1     | 22,4     | 24,6       | 32,5       |
| CA20COM-E16-**-P*       | 1-20UNEF-2A     | 21,5      | 3,2        | 34,2     | 22,4     | 24,6       | 32,5       |
| CA20COM-E18-**-P*       | 1-1/8-18UNEF-2A | 23,05     | 4,0        | 34,2     | 25,6     | 27,0       | 35,0       |
| CA20COM-E20-**-P*       | 1-1/4-18UNEF-2A | 23,05     | 4,0        | 34,2     | 29,0     | 29,4       | 38,0       |
| CA20COM-E22-**-P*       | 1-3/8-18UNEF-2A | 23,05     | 4,0        | 34,2     | 32,2     | 31,8       | 41,0       |
| CA20COM-E24-**-P*       | 1-1/2-18UNEF-2A | 24,05     | 4,0        | 34,2     | 35,3     | 34,9       | 44,5       |
| CA20COM-E28-**-P*       | 1-3/4-18UNEF-2A | 24,05     | 4,0        | 34,2     | 41,4     | 39,7       | 50,8       |
| CA20COM-E32-**-P*       | 2-18UNS-2A      | 24,05     | 4,0        | 34,2     | 47,8     | 44,5       | 57,0       |
| CA20COM-E36-**-P*       | 2-1/4-16UN-2A   | 24,05     | 4,0        | 34,2     | 54,1     | 49,2       | 63,5       |

\* For socket inserts substitute "S" for "P"

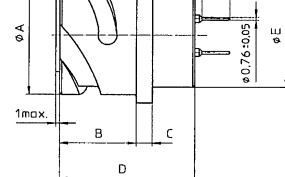
\*\* Add contact arrangement number (see pages 6 – 8)

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CA02COM-L is a box mounting receptacle for front panel mounting. It mates with plugs CA06COM-B and CA08COM-B.

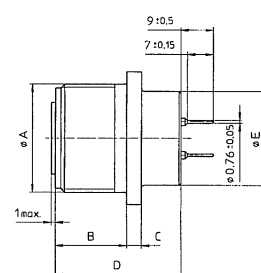


| Part No.              | A     | B    | C     | D     | E    | F     |
|-----------------------|-------|------|-------|-------|------|-------|
| Pin Insert*           | -0,15 | +0,4 | ± 0,2 | ± 0,3 | max  | ± 0,1 |
| CA02COM-L10SL-**-P*-B | 18,2  | 14,2 | 2,8   | 24,7  | 16,2 | 18,2  |
| CA02COM-L12S-**-P*-B  | 21,4  | 14,2 | 3,2   | 24,7  | 16,2 | 20,6  |
| CA02COM-L14S-**-P*-B  | 24,6  | 14,2 | 3,2   | 24,7  | 19,2 | 23,0  |
| CA02COM-L16S-**-P*-B  | 27,4  | 14,2 | 3,2   | 24,7  | 22,4 | 24,6  |
| CA02COM-L16-**-P*-B   | 27,4  | 19,0 | 3,2   | 33,8  | 22,4 | 24,6  |
| CA02COM-L18-**-P*-B   | 30,8  | 19,0 | 4,0   | 33,8  | 25,6 | 27,0  |
| CA02COM-L20-**-P*-B   | 34,2  | 19,0 | 4,0   | 33,8  | 29,0 | 29,4  |
| CA02COM-L22-**-P*-B   | 37,4  | 19,0 | 4,0   | 33,8  | 32,2 | 31,8  |
| CA02COM-L24-**-P*-B   | 40,9  | 20,6 | 4,0   | 33,8  | 35,3 | 34,9  |
| CA02COM-L28-**-P*-B   | 46,7  | 20,6 | 4,0   | 33,8  | 41,4 | 39,7  |
| CA02COM-L32-**-P*-B   | 53,4  | 22,2 | 4,0   | 33,8  | 47,8 | 44,5  |
| CA02COM-L36-**-P*-B   | 59,6  | 22,2 | 4,0   | 33,8  | 52,6 | 49,2  |



## CA02COM-L with threaded coupling

CA02COM-L is a box mounting receptacle for front panel mounting. It mates with plugs CA06COM and CA08COM.



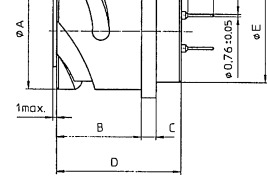
| Part No.            | A               | B    | C     | D    | E    | F     | G     |
|---------------------|-----------------|------|-------|------|------|-------|-------|
| Pin Insert*         | Thread          | +0,4 | ± 0,3 | max  | max  | ± 0,1 | ± 0,3 |
| CA02COM-L10SL-**-P* | 5/8-24UNEF-2A   | 14,2 | 2,8   | 25,1 | 15,9 | 18,2  | 25,4  |
| CA02COM-L12S-**-P*  | 3/4-20UNEF-2A   | 14,2 | 3,2   | 25,1 | 15,9 | 20,6  | 28,0  |
| CA02COM-L14S-**-P*  | 7/8-20UNEF-2A   | 14,2 | 3,2   | 25,1 | 19,0 | 23,0  | 30,0  |
| CA02COM-L16S-**-P*  | 1-20UNEF-2A     | 14,2 | 3,2   | 25,1 | 22,2 | 24,6  | 32,5  |
| CA02COM-L16-**-P*   | 1-20UNEF-2A     | 19,0 | 3,2   | 34,2 | 22,2 | 24,6  | 32,5  |
| CA02COM-L18-**-P*   | 1-1/8-18UNEF-2A | 19,0 | 4,0   | 34,2 | 25,4 | 27,0  | 35,0  |
| CA02COM-L20-**-P*   | 1-1/4-18UNEF-2A | 19,0 | 4,0   | 34,2 | 29,0 | 29,4  | 38,0  |
| CA02COM-L22-**-P*   | 1-3/8-18UNEF-2A | 19,0 | 4,0   | 34,2 | 32,2 | 31,8  | 41,0  |
| CA02COM-L24-**-P*   | 1-1/2-18UNEF-2A | 20,6 | 4,0   | 34,2 | 35,3 | 34,9  | 44,5  |
| CA02COM-L28-**-P*   | 1-3/4-18UNEF-2A | 20,6 | 4,0   | 34,2 | 41,2 | 39,7  | 50,8  |
| CA02COM-L32-**-P*   | 2-18UNS-2A      | 22,2 | 4,0   | 34,2 | 47,6 | 44,5  | 57,0  |
| CA02COM-L36-**-P*   | 2-1/4-16UN-2A   | 22,2 | 4,0   | 34,2 | 52,4 | 49,2  | 63,5  |

\* For socket inserts substitute "S" for "P"

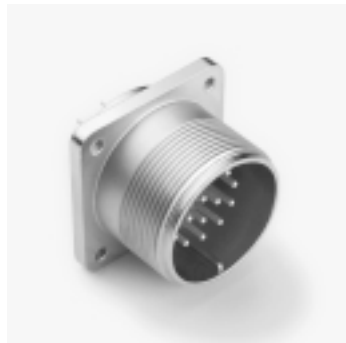
\*\* Add contact arrangement number (see pages 6 – 8)



CA20COM-L is a box mounting receptacle for rear panel mounting. It mates with plugs CA06COM-B and CA08COM-B.

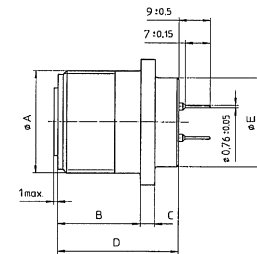


| Part No.<br>Pin Insert* | A     | B     | C     | D     | E    | F     |
|-------------------------|-------|-------|-------|-------|------|-------|
| CA20COM-L10SL-**-P*-B   | -0,15 | +0,4  | ± 0,2 | ± 0,3 | max  | ± 0,1 |
| CA20COM-L12S-**-P*-B    | 18,2  | 18,2  | 2,8   | 24,7  | 16,2 | 18,2  |
| CA20COM-L14S-**-P*-B    | 21,4  | 18,2  | 3,2   | 24,7  | 16,2 | 20,6  |
| CA20COM-L14S-**-P*-B    | 24,6  | 18,2  | 3,2   | 24,7  | 19,2 | 23,0  |
| CA20COM-L16S-**-P*-B    | 27,4  | 18,2  | 3,2   | 24,7  | 22,4 | 24,6  |
| CA20COM-L16-**-P*-B     | 27,4  | 21,5  | 3,2   | 33,8  | 22,4 | 24,6  |
| CA20COM-L18-**-P*-B     | 30,8  | 23,05 | 4,0   | 33,8  | 25,6 | 27,0  |
| CA20COM-L20-**-P*-B     | 34,2  | 23,05 | 4,0   | 33,8  | 29,0 | 29,4  |
| CA20COM-L22-**-P*-B     | 37,4  | 23,05 | 4,0   | 33,8  | 32,2 | 31,8  |
| CA20COM-L24-**-P*-B     | 40,9  | 23,05 | 4,0   | 33,8  | 35,3 | 34,9  |
| CA20COM-L28-**-P*-B     | 46,7  | 24,05 | 4,0   | 33,8  | 41,4 | 39,7  |
| CA20COM-L32-**-P*-B     | 53,4  | 24,05 | 4,0   | 33,8  | 47,8 | 44,5  |
| CA20COM-L36-**-P*-B     | 59,6  | 24,05 | 4,0   | 33,8  | 54,1 | 49,2  |



## CA20COM-L with threaded coupling

CA20COM-L is a box mounting receptacle for rear panel mounting. It mates with plugs CA06COM and CA08COM.



| Part No.<br>Pin insert* | A<br>Thread     | B<br>+0,4 | C<br>± 0,3 | D<br>max | E<br>max | F<br>± 0,1 | G<br>± 0,1 |
|-------------------------|-----------------|-----------|------------|----------|----------|------------|------------|
| CA20COM-L10SL-**-P*     | 5/8-24UNEF-2A   | 18,2      | 2,8        | 25,1     | 14,5     | 18,2       | 25,4       |
| CA20COM-L12S-**-P*      | 3/4-20UNEF-2A   | 18,2      | 3,2        | 25,1     | 16,1     | 20,6       | 28,0       |
| CA20COM-L14S-**-P*      | 7/8-20UNEF-2A   | 18,2      | 3,2        | 25,1     | 19,2     | 23,0       | 30,0       |
| CA20COM-L16S-**-P*      | 1-20UNEF-2A     | 18,2      | 3,2        | 25,1     | 22,4     | 24,6       | 32,5       |
| CA20COM-L16-**-P*       | 1-20UNEF-2A     | 21,5      | 3,2        | 34,2     | 22,4     | 24,6       | 32,5       |
| CA20COM-L18-**-P*       | 1-1/8-18UNEF-2A | 23,05     | 4,0        | 34,2     | 25,6     | 27,0       | 35,0       |
| CA20COM-L20-**-P*       | 1-1/4-18UNEF-2A | 23,05     | 4,0        | 34,2     | 29,0     | 29,4       | 38,0       |
| CA20COM-L22-**-P*       | 1-3/8-18UNEF-2A | 23,05     | 4,0        | 34,2     | 32,2     | 31,8       | 41,0       |
| CA20COM-L24-**-P*       | 1-1/2-18UNEF-2A | 24,05     | 4,0        | 34,2     | 35,3     | 34,9       | 44,5       |
| CA20COM-L28-**-P*       | 1-3/4-18UNEF-2A | 24,05     | 4,0        | 34,2     | 41,4     | 39,7       | 50,8       |
| CA20COM-L32-**-P*       | 2-18UNS-2A      | 24,05     | 4,0        | 34,2     | 47,8     | 44,5       | 57,0       |
| CA20COM-L36-**-P*       | 2-1/4-16UN-2A   | 24,05     | 4,0        | 34,2     | 54,1     | 49,2       | 63,5       |

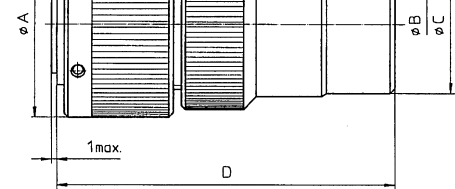
\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)

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CA06COM-PG is a straight plug for usage of PG terminations. It mates with receptacles CA00COM-B, CA01COM-B and CA02COM-E-B.

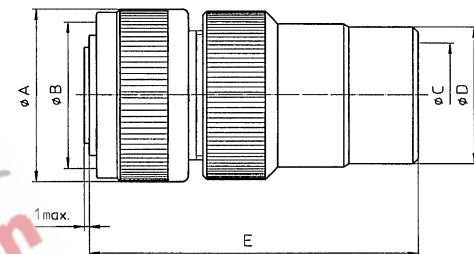


| Part No.               | A    | B      | C   |
|------------------------|------|--------|-----|
| Pin Insert*            | max  | Thread | max |
| CA06COM-PG10SL-**-P*-B | 22,8 | PG9    | 18  |
| CA06COM-PG12S-**-P*-B  | 26,0 | PG9    | 19  |
| CA06COM-PG14S-**-P*-B  | 29,2 | PG11   | 22  |
| CA06COM-PG16S-**-P*-B  | 32,0 | PG13,5 | 24  |
| CA06COM-PG16-**-P*-B   | 32,0 | PG13,5 | 24  |
| CA06COM-PG18-**-P*-B   | 36,5 | PG13,5 | 25  |
| CA06COM-PG20-**-P*-B   | 39,9 | PG16   | 27  |
| CA06COM-PG22-**-P*-B   | 43,1 | PG16   | 27  |
| CA06COM-PG24-**-P*-B   | 46,6 | PG16   | 27  |
| CA06COM-PG28-**-P*-B   | 53,4 | PG21   | 32  |
| CA06COM-PG32-**-P*-B   | 60,1 | PG29   | 41  |
| CA06COM-PG36-**-P*-B   | 66,3 | PG29   | 41  |



### CA06COM-PG with threaded coupling

CA06COM-PG is a straight plug for usage of PG terminations. It mates with receptacles CA00COM, CA01COM and CA02COM-E.



| Part No.             | A    | B               | C      | D   |
|----------------------|------|-----------------|--------|-----|
| Pin Insert*          | max  | Thread          | Thread | max |
| CA06COM-PG10SL-**-P* | 24,1 | 5/8-24UNEF-2B   | PG9    | 18  |
| CA06COM-PG12S-**-P*  | 25,8 | 3/4-20UNEF-2B   | PG9    | 19  |
| CA06COM-PG14S-**-P*  | 28,8 | 7/8-20UNEF-2B   | PG11   | 22  |
| CA06COM-PG16S-**-P*  | 31,8 | 1-20UNEF-2B     | PG13,5 | 24  |
| CA06COM-PG16-**-P*   | 31,8 | 1-20UNEF-2B     | PG13,5 | 24  |
| CA06COM-PG18-**-P*   | 34,1 | 1-1/8-18UNEF-2B | PG13,5 | 25  |
| CA06COM-PG20-**-P*   | 37,4 | 1-1/4-18UNEF-2B | PG16   | 27  |
| CA06COM-PG22-**-P*   | 40,5 | 1-3/8-18UNEF-2B | PG16   | 27  |
| CA06COM-PG24-**-P*   | 43,8 | 1-1/2-18UNEF-2B | PG16   | 27  |
| CA06COM-PG28-**-P*   | 50,2 | 1-3/4-18UNS-2B  | PG21   | 32  |
| CA06COM-PG32-**-P*   | 56,4 | 2-18UNS-2B      | PG29   | 41  |
| CA06COM-PG36-**-P*   | 62,8 | 2-1/4-16UN-2B   | PG29   | 41  |

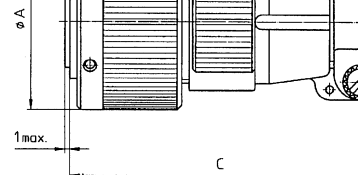
\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)





CA06COM-E is a straight plug with endbell and cable clamp. It mates with receptacles CA00COM-B, CA01COM-B and CA02COM-E-B.

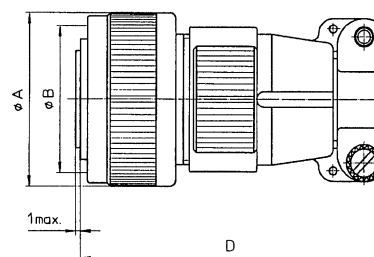


| Part No.<br>Pin Insert* | A<br>max | B <sup>1)</sup> |
|-------------------------|----------|-----------------|
| CA06COM-E10SL-**-P*-B   | 22,8     | 7,9             |
| CA06COM-E12S-**-P*-B    | 26,0     | 7,9             |
| CA06COM-E14S-**-P*-B    | 29,2     | 11,1            |
| CA06COM-E16S-**-P*-B    | 32,0     | 14,2            |
| CA06COM-E16-**-P*-B     | 32,0     | 14,2            |
| CA06COM-E18-**-P*-B     | 36,5     | 15,8            |
| CA06COM-E20-**-P*-B     | 39,9     | 19,0            |
| CA06COM-E22-**-P*-B     | 43,1     | 19,0            |
| CA06COM-E24-**-P*-B     | 46,6     | 23,7            |
| CA06COM-E28-**-P*-B     | 53,4     | 23,7            |
| CA06COM-E32-**-P*-B     | 60,1     | 31,8            |
| CA06COM-E36-**-P*-B     | 66,3     | 34,6            |



## CA06COM-E with threaded coupling

CA06COM-E is a straight plug with endbell and cable clamp. It mates with receptacles CA00COM, CA01COM and CA02COM-E.



| Part No.<br>Pin insert* | A<br>max | B<br>Thread     | C <sup>1)</sup> |
|-------------------------|----------|-----------------|-----------------|
| CA06COM-E10SL-**-P*     | 24,1     | 5/8-24UNEF-2B   | 7,9             |
| CA06COM-E12S-**-P*      | 25,8     | 3/4-20UNEF-2B   | 7,9             |
| CA06COM-E14S-**-P*      | 28,8     | 7/8-20UNEF-2B   | 11,1            |
| CA06COM-E16S-**-P*      | 31,8     | 1-20UNEF-2B     | 14,2            |
| CA06COM-E16-**-P*       | 31,8     | 1-20UNEF-2B     | 14,2            |
| CA06COM-E18-**-P*       | 34,1     | 1-1/8-18UNEF-2B | 15,8            |
| CA06COM-E20-**-P*       | 37,4     | 1-1/4-18UNEF-2B | 19,0            |
| CA06COM-E22-**-P*       | 40,5     | 1-3/8-18UNEF-2B | 19,0            |
| CA06COM-E24-**-P*       | 43,8     | 1-1/2-18UNEF-2B | 23,7            |
| CA06COM-E28-**-P*       | 50,2     | 1-3/4-18UNS-2B  | 23,7            |
| CA06COM-E32-**-P*       | 56,4     | 2-18UNS-2B      | 31,8            |
| CA06COM-E36-**-P*       | 62,8     | 2-1/4-16UN-2B   | 34,6            |

\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)

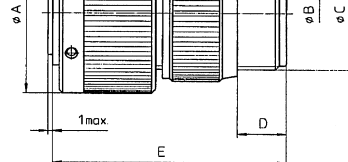
<sup>1)</sup> max cable dia

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CA06COM-F is a straight plug with endbell for flex tubes. It mates with receptacles **CA00COM-B**, **CA01COM-B** and **CA02COM-E-B**.

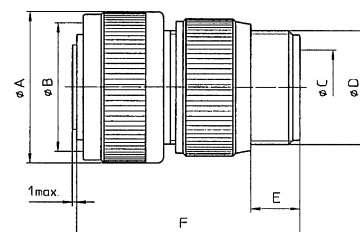


| Part No.<br>Pin Insert* | A<br>max | B <sup>1)</sup> | C<br>Thread      | D<br>min |
|-------------------------|----------|-----------------|------------------|----------|
| CA06COM-F10SL-**-P*-B   | 22,8     | 8,2             | 5/8-24UNEF-2A    | 9,5      |
| CA06COM-F12S-**-P*-B    | 26,0     | 8,2             | 5/8-24UNEF-2A    | 9,5      |
| CA06COM-F14S-**-P*-B    | 29,2     | 11,1            | 3/4-20UNEF-2A    | 9,5      |
| CA06COM-F16S-**-P*-B    | 32,0     | 14,3            | 7/8-20UNEF-2A    | 9,5      |
| CA06COM-F16-**-P*-B     | 32,0     | 14,3            | 7/8-20UNEF-2A    | 9,5      |
| CA06COM-F18-**-P*-B     | 36,5     | 16,7            | 1-20UNEF-2A      | 9,5      |
| CA06COM-F20-**-P*-B     | 39,9     | 19,8            | 1-3/16-18UNEF-2A | 9,5      |
| CA06COM-F22-**-P*-B     | 43,1     | 19,8            | 1-3/16-18UNEF-2A | 9,5      |
| CA06COM-F24-**-P*-B     | 46,6     | 25,4            | 1-7/16-18UNEF-2A | 9,5      |
| CA06COM-F28-**-P*-B     | 53,4     | 27,0            | 1-7/16-18UNEF-2A | 9,5      |
| CA06COM-F32-**-P*-B     | 60,1     | 32,5            | 1-3/4-18UNS-2A   | 11,0     |
| CA06COM-F36-**-P*-B     | 66,3     | 35,7            | 2-18UNS-2A       | 11,8     |



### CA06COM-F with threaded coupling

CA06COM-F is a straight plug with endbell for flex tubes. It mates with receptacles **CA00COM**, **CA01COM** and **CA02COM-E**.



| Part No.<br>Pin Insert* | A<br>max | B<br>Thread     | C <sup>1)</sup> | D<br>Thread      | E<br>min |
|-------------------------|----------|-----------------|-----------------|------------------|----------|
| CA06COM-F10SL-**-P*     | 24,1     | 5/8-24UNEF-2B   | 8,2             | 5/8-24UNEF-2A    | 9,5      |
| CA06COM-F12S-**-P*      | 25,8     | 3/4-20UNEF-2B   | 8,2             | 5/8-24UNEF-2A    | 9,5      |
| CA06COM-F14S-**-P*      | 28,8     | 7/8-20UNEF-2B   | 11,1            | 3/4-20UNEF-2A    | 9,5      |
| CA06COM-F16S-**-P*      | 31,8     | 1-20UNEF-2B     | 14,3            | 7/8-20UNEF       | 9,5      |
| CA06COM-F16-**-P*       | 31,8     | 1-20UNEF-2B     | 14,3            | 7/8-20UNEF       | 9,5      |
| CA06COM-F18-**-P*       | 34,1     | 1-1/8-18UNEF-2B | 16,7            | 1-20UNEF-2A      | 9,5      |
| CA06COM-F20-**-P*       | 37,4     | 1-1/4-18UNEF-2B | 19,8            | 1-3/16-18UNEF-2A | 9,5      |
| CA06COM-F22-**-P*       | 40,5     | 1-3/8-18UNEF-2B | 19,8            | 1-3/16-18UNEF-2A | 9,5      |
| CA06COM-F24-**-P*       | 43,8     | 1-1/2-18UNEF-2B | 25,4            | 1-7/16-18UNEF-2A | 9,5      |
| CA06COM-F28-**-P*       | 50,2     | 1-3/4-18UNS-2B  | 27,0            | 1-7/16-18UNEF-2A | 9,5      |
| CA06COM-F32-**-P*       | 56,4     | 2-18UNS-2B      | 32,5            | 1-3/4-18UNS-2A   | 11,0     |
| CA06COM-F36-**-P*       | 62,8     | 2-1/4-16UN-2B   | 35,7            | 2-18UNS-2A       | 11,8     |

\* For socket inserts substitute "S" for "P"

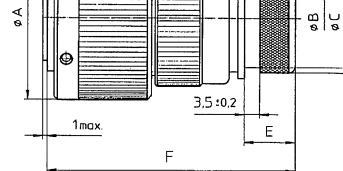
\*\* Add contact arrangement number (see pages 6 – 8)

<sup>1)</sup> max cable dia





CA06COM-E-B/-05/-06 is a straight plug with endbell (wire sealing) for heat shrink boots. It mates with receptacles **CA00COM-B**, **CA01COM-B** and **CA02COM-E-B**.

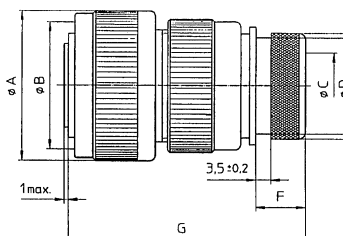


| Part No.<br>Pin Insert* | A<br>max | B <sup>1)</sup> | C<br>max | D<br>± 0,2 | E<br>± 0,2 |
|-------------------------|----------|-----------------|----------|------------|------------|
| CA06COM-E10SL-**-P*-B-  | 22,8     | 7,7             | 13,3     | 15,5       | 11,7       |
| CA06COM-E12S-**-P*-B-   | 26,0     | 7,9             | 13,3     | 15,5       | 11,7       |
| CA06COM-E14S-**-P*-B-   | 29,2     | 10,6            | 17,0     | 19,1       | 11,7       |
| CA06COM-E16S-**-P*-B-   | 32,0     | 13,5            | 21,9     | 23,9       | 11,7       |
| CA06COM-E16-**-P*-B-    | 32,0     | 13,5            | 21,9     | 23,9       | 11,7       |
| CA06COM-E18-**-P*-B-    | 36,5     | 14,6            | 21,9     | 23,9       | 11,7       |
| CA06COM-E20-**-P*-B-    | 39,9     | 18,7            | 26,2     | 29,6       | 12,7       |
| CA06COM-E22-**-P*-B-    | 43,1     | 20,8            | 26,2     | 29,6       | 12,7       |
| CA06COM-E24-**-P*-B-    | 46,6     | 24,6            | 34,5     | 37,8       | 12,7       |
| CA06COM-E28-**-P*-B-    | 53,4     | 27,0            | 34,5     | 37,8       | 12,7       |
| CA06COM-E32-**-P*-B-    | 60,1     | 33,3            | 43,6     | 47,8       | 15,2       |
| CA06COM-E36-**-P*-B-    | 66,3     | 38,5            | 43,6     | 47,8       | 15,2       |



## CA06COM-E-DN with threaded coupling

CA06COM-E-DN is a straight plug with endbell (wire sealing) for heat shrink boots. It mates with receptacles **CA00COM**, **CA01COM** and **CA02COM-E**.



| Part No.<br>Pin Insert* | A<br>max | B<br>Thread     | C <sup>1)</sup> | D<br>max | E<br>± 0,2 |
|-------------------------|----------|-----------------|-----------------|----------|------------|
| CA06COM-E10SL-**-P*-DN  | 24,1     | 5/8-24UNEF-2B   | 7,7             | 13,3     | 15,5       |
| CA06COM-E12S-**-P*-DN   | 25,8     | 3/4-20UNEF-2B   | 7,9             | 13,3     | 15,5       |
| CA06COM-E14S-**-P*-DN   | 28,8     | 7/8-20UNEF-2B   | 10,6            | 17,0     | 19,1       |
| CA06COM-E16S-**-P*-DN   | 31,8     | 1-20UNEF-2B     | 13,5            | 21,9     | 23,9       |
| CA06COM-E16-**-P*-DN    | 31,8     | 1-20UNEF-2B     | 13,5            | 21,9     | 23,9       |
| CA06COM-E18-**-P*-DN    | 34,1     | 1-1/8-18UNEF-2B | 14,6            | 21,9     | 23,9       |
| CA06COM-E20-**-P*-DN    | 37,4     | 1-1/4-18UNEF-2B | 18,7            | 26,2     | 29,6       |
| CA06COM-E22-**-P*-DN    | 40,5     | 1-3/8-18UNEF-2B | 20,8            | 26,2     | 29,6       |
| CA06COM-E24-**-P*-DN    | 43,8     | 1-1/2-18UNEF-2B | 24,6            | 34,5     | 37,8       |
| CA06COM-E28-**-P*-DN    | 50,2     | 1-3/4-18UNS-2B  | 27,0            | 34,5     | 37,8       |
| CA06COM-E32-**-P*-DN    | 56,4     | 2-18UNS-2B      | 33,3            | 43,6     | 47,8       |
| CA06COM-E36-**-P*-DN    | 62,8     | 2-1/4-16UN-2B   | 38,5            | 43,6     | 47,8       |

\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)

<sup>1)</sup> max cable dia

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CA06COM-IN is a straight plug with universal endbell. It mates with receptacles CA00COM-B, CA01COM-B and CA02COM-E-B.

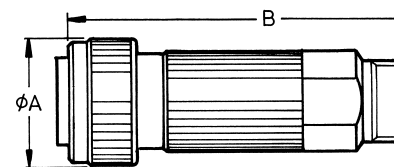


| Part No.<br>Pin Insert* | A    | B<br>max | E<br>max | D<br>Cable sealing an |
|-------------------------|------|----------|----------|-----------------------|
| CA06COM-IN10SL-**-P*-B  | 24,1 | 84       | 18       | D07 = 4,5 – 7,2       |
| CA06COM-IN14S-**-P*-B   | 28,8 | 85       | 18       | D07 = 4,5 – 7,2       |
| CA06COM-IN20-**-P*-B    | 37,4 | 92       | 24       | D11 = 7,0 – 11,1      |
| CA06COM-IN22-**-P*-B    | 40,5 | 96       | 34       | D17 = 14,5 – 17,8     |



### CA06COM-IN with threaded coupling

CA06COM-IN is a straight plug with universal endbell. It mates with receptacles CA00COM, CA01COM and CA02COM-E.



| Part No.<br>Pin Insert* | A    | B<br>max | E<br>max | D<br>Cable sealing an |
|-------------------------|------|----------|----------|-----------------------|
| CA06COM-IN10SL-**-P*    | 24,1 | 84       | 18       | D07 = 4,5 – 7,2       |
| CA06COM-IN14S-**-p*     | 28,8 | 85       | 18       | D07 = 4,5 – 7,2       |
| CA06COM-IN20-**-p*      | 37,4 | 92       | 24       | D11 = 7,0 – 11,1      |
| CA06COM-IN22-**-p*      | 40,5 | 96       | 34       | D17 = 14,5 – 17,8     |

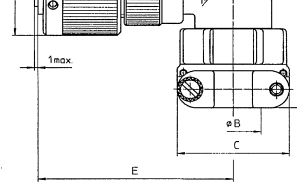
\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)





CA08COM-E-B is a 90° plug with cable clamp. It mates with receptacles CA00COM-B, CA01COM-B and CA02COM-E-B.

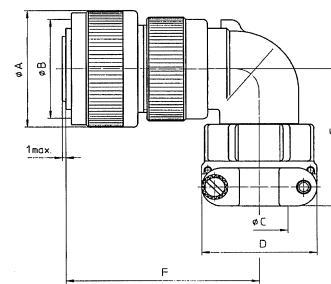


| Part No.<br>Pin Insert* | A<br>max | B <sup>1)</sup> | C<br>max | D<br>max |
|-------------------------|----------|-----------------|----------|----------|
| CA08COM-E10SL-**-P*-B   | 22,8     | 7,9             | 22,7     | 42       |
| CA08COM-E12S-**-P*-B    | 26,0     | 7,9             | 22,7     | 42       |
| CA08COM-E14S-**-P*-B    | 29,2     | 11,1            | 27,5     | 42       |
| CA08COM-E16S-**-P*-B    | 32,0     | 14,2            | 30,0     | 45       |
| CA08COM-E16-**-P*-B     | 32,0     | 14,2            | 30,0     | 45       |
| CA08COM-E18-**-P*-B     | 36,5     | 15,8            | 33,0     | 53       |
| CA08COM-E20-**-P*-B     | 39,9     | 19,0            | 37,5     | 53       |
| CA08COM-E22-**-P*-B     | 43,1     | 19,0            | 37,5     | 53       |
| CA08COM-E24-**-P*-B     | 46,6     | 23,7            | 43,3     | 58       |
| CA08COM-E28-**-P*-B     | 53,4     | 23,7            | 43,3     | 58       |
| CA08COM-E32-**-P*-B     | 60,1     | 31,8            | 51,7     | 66       |
| CA08COM-E36-**-P*-B     | 66,3     | 34,6            | 58,0     | 69       |



### CA08COM-E with threaded coupling

CA08COM-E is a 90° plug with cable clamp. It mates with receptacles CA00COM, CA01COM and CA02COM-E.



| Part No.<br>Pin Insert* | A<br>max | B<br>Thread     | C <sup>1)</sup> | D<br>max |
|-------------------------|----------|-----------------|-----------------|----------|
| CA08COM-E10SL-**-P*     | 24,1     | 5/8-24UNEF-2B   | 7,9             | 22,7     |
| CA08COM-E12S-**-P*      | 25,8     | 3/4-20UNEF-2B   | 7,9             | 22,7     |
| CA08COM-E14S-**-P*      | 28,8     | 7/8-20UNEF-2B   | 11,1            | 27,5     |
| CA08COM-E16S-**-P*      | 31,8     | 1-20UNEF        | 14,2            | 30,0     |
| CA08COM-E16-**-P*       | 31,8     | 1-20UNEF        | 14,2            | 30,0     |
| CA08COM-E18-**-P*       | 34,1     | 1-1/8-18UNEF-2B | 15,8            | 32,2     |
| CA08COM-E20-**-P*       | 37,4     | 1-1/4-18UNEF-2B | 19,0            | 37,5     |
| CA08COM-E22-**-P*       | 40,5     | 1-3/8-18UNEF-2B | 19,0            | 37,5     |
| CA08COM-E24-**-P*       | 43,8     | 1-1/2-18UNEF-2B | 23,7            | 43,3     |
| CA08COM-E28-**-P*       | 50,2     | 1-3/4-18UNS-2B  | 23,7            | 43,3     |
| CA08COM-E32-**-P*       | 56,4     | 2-18UNS-2B      | 31,8            | 51,7     |
| CA08COM-E36-**-P*       | 62,8     | 2-1/4-16UN-2B   | 34,6            | 58,0     |

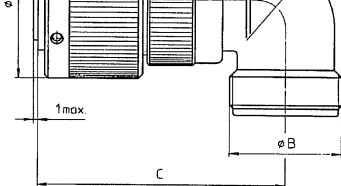
\* For socket inserts substitute "S" for "P"  
 \*\* Add contact arrangement number (see pages 6 – 8)  
<sup>1)</sup> max cable dia

Cannon  ITT Industries





CA08COM-F-B is a 90° plug for flex tubes. It mates with receptacles CA00COM-B, CA01COM-B and CA02COM-E-B.

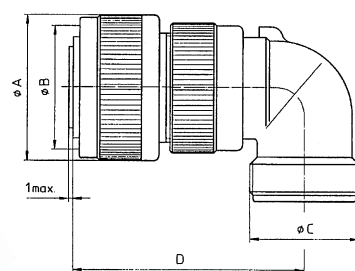


| Part No.              | A    | B                | C   | D    |
|-----------------------|------|------------------|-----|------|
| Pin Insert*           | max  | Thread           | max | max  |
| CA08COM-F10SL-**-P*-B | 22,8 | 5/8-24UNEF-2A    | 45  | 22,0 |
| CA08COM-F12S-**-P*-B  | 26,0 | 5/8-24UNEF-2A    | 45  | 22,0 |
| CA08COM-F14S-**-P*-B  | 29,2 | 3/4-20UNEF-2A    | 47  | 24,0 |
| CA08COM-F16S-**-P*-B  | 32,0 | 7/8-20UNEF-2A    | 48  | 25,0 |
| CA08COM-F16-**-P*-B   | 32,0 | 7/8-20UNEF-2A    | 57  | 25,0 |
| CA08COM-F18-**-P*-B   | 36,5 | 1-20UNEF-2A      | 58  | 27,0 |
| CA08COM-F20-**-P*-B   | 39,9 | 1-3/16-18UNEF-2A | 61  | 29,0 |
| CA08COM-F22-**-P*-B   | 43,1 | 1-3/16-18UNEF-2A | 61  | 30,0 |
| CA08COM-F24-**-P*-B   | 46,6 | 1-7/16-18UNEF-2A | 66  | 32,0 |
| CA08COM-F28-**-P*-B   | 53,4 | 1-7/16-18UNEF-2A | 66  | 34,0 |
| CA08COM-F32-**-P*-B   | 60,1 | 1-3/4-18UNS-2A   | 72  | 39,5 |
| CA08COM-F36-**-P*-B   | 66,3 | 2-18UNS-2A       | 75  | 45,0 |



### CA08COM-F with threaded coupling

CA08COM-F is a 90° plug for flex tubes. It mates with receptacles CA00COM, CA01COM and CA02COM-E.



| Part No.            | A    | B               | C                | D   | E    |
|---------------------|------|-----------------|------------------|-----|------|
| Pin Insert*         | max  | Thread          | Thread           | max | max  |
| CA08COM-F10SL-**-P* | 24,1 | 5/8-24UNEF-2B   | 5/8-24UNEF-2A    | 45  | 22,0 |
| CA08COM-F12SL-**-P* | 25,8 | 3/4-20UNEF-2B   | 5/8-24UNEF-2A    | 45  | 22,0 |
| CA08COM-F14S-**-P*  | 28,8 | 7/8-20UNEF-2B   | 3/4-20UNEF-2A    | 47  | 24,0 |
| CA08COM-F16S-**-P*  | 31,8 | 1-20UNEF-2B     | 7/8-20UNEF-2A    | 48  | 25,0 |
| CA08COM-F16-**-P*   | 31,8 | 1-20UNEF-2B     | 7/8-20UNEF-2A    | 57  | 25,0 |
| CA08COM-F18-**-P*   | 34,1 | 1-1/8-18UNEF-2B | 1-20UNEF-2A      | 58  | 27,0 |
| CA08COM-F20-**-P*   | 37,4 | 1-1/4-18UNEF-2B | 1-3/16-18UNEF-2A | 61  | 29,0 |
| CA08COM-F22-**-P*   | 40,5 | 1-3/8-18UNEF-2B | 1-3/16-18UNEF-2A | 61  | 30,0 |
| CA08COM-F24-**-P*   | 43,8 | 1-1/2-18UNEF-2B | 1-7/16-18UNEF-2A | 66  | 32,0 |
| CA08COM-F28-**-P*   | 50,2 | 1-3/4-18UNS-2B  | 1-7/16-18UNEF-2A | 66  | 34,0 |
| CA08COM-F32-**-P*   | 56,4 | 2-18UNS-2B      | 1-3/4-18UNS-2A   | 72  | 39,5 |
| CA08COM-F36-**-P*   | 62,8 | 2-1/4-16UN-2B   | 2-18UNS-2A       | 75  | 45,0 |

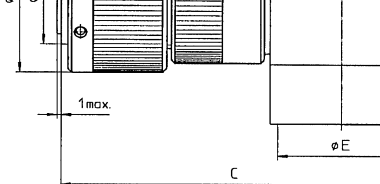
\* For socket inserts substitute "S" for "P"

\*\* Add contact arrangement number (see pages 6 – 8)





CA08COM-PG-B designates a 90° plug for usage of PG terminations. It mates with receptacles CA01COM-B and CA02COM-B.

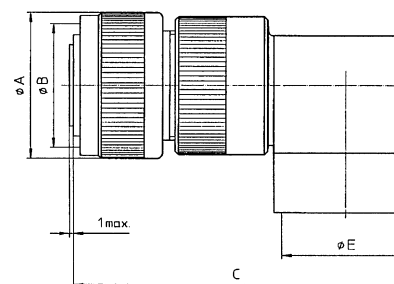


| Part No.<br>Pin insert* | A<br>max | B<br>-0,3 | C<br>max | D    |
|-------------------------|----------|-----------|----------|------|
| CA08COM-PG10SL-**P*-B   | 22,8     | 11,3      | 57       | 18,5 |
| CA08COM-PG12S-**P*-B    | 26,0     | 14,0      | 57       | 18,5 |
| CA08COM-PG14S-**P*-B    | 29,2     | 17,1      | 59       | 19,5 |
| CA08COM-PG16S-**P*-B    | 32,0     | 20,4      | 63       | 22,0 |
| CA08COM-PG16-**P*-B     | 32,0     | 20,4      | 72       | 22,0 |
| CA08COM-PG18-**P*-B     | 36,5     | 23,6      | 77       | 26,3 |
| CA08COM-PG20-**P*-B     | 39,9     | 26,7      | 82       | 29,0 |
| CA08COM-PG22-**P*-B     | 43,1     | 29,8      | 82       | 29,5 |



### CA08COM-PG with threaded coupling

CA08COM-PG designates a 90° plug for usage of PG terminations. It mates with receptacles CA01COM and CA02COM.



| Part No.<br>Pin insert* | A<br>max | B<br>Thread     | C<br>max | D    |
|-------------------------|----------|-----------------|----------|------|
| CA08COM-PG10SL-**P*     | 24,1     | 5/8-24UNEF-2B   | 57       | 18,5 |
| CA08COM-PG12S-**P*      | 25,8     | 3/4-20UNEF-2B   | 57       | 18,5 |
| CA08COM-PG14S-**P*      | 28,8     | 7/8-20UNEF-2B   | 59       | 19,5 |
| CA08COM-PG16S-**P*      | 31,8     | 1-20UNEF-2B     | 63       | 22,0 |
| CA08COM-PG16-**P*       | 31,8     | 1-20UNEF-2B     | 72       | 22,0 |
| CA08COM-PG18-**P*       | 34,1     | 1-1/8-18UNEF-2B | 77       | 26,3 |
| CA08COM-PG20-**P*       | 37,4     | 1-1/4-18UNEF-2B | 82       | 29,0 |
| CA08COM-PG22-**P*       | 40,5     | 1-3/8-18UNEF-2B | 82       | 29,5 |

\* For socket inserts substitute "S" for "P"

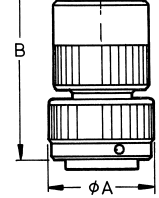
\*\* Add contact arrangement number (see pages 6 – 8)

Cannon  ITT Industries





CA08COM-IN-B is a 90° plug with universal endbell. It mates with receptacles CA00COM-B, CA01COM-B and CA02COM-E-B.

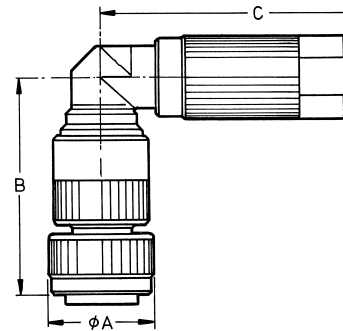


| Part No.<br>Pin Insert*       | A    | B<br>max | C<br>max | D<br>Cable sealing ar |
|-------------------------------|------|----------|----------|-----------------------|
| CA08COM-IN10SL-**P*-B-***-D07 | 24,1 | 52       | 78       | D07 = 4,5 – 7,2       |
| CA08COM-IN20-**P*-B-***-D11   | 37,4 | 62       | 86       | D11 = 7,0 – 11,0      |



### CA08COM-IN with threaded coupling

CA08COM-IN is a 90° plug with universal endbell. It mates with receptacles CA00COM, CA01COM and CA02COM-E.



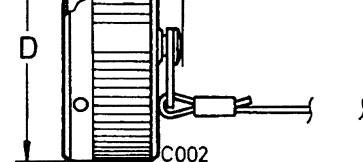
| Part No.<br>Pin Insert*     | A    | B<br>max | C<br>max | D<br>Cable sealing ar |
|-----------------------------|------|----------|----------|-----------------------|
| CA08COM-IN10SL-**P*-***-D07 | 24,1 | 52       | 78       | D07 = 4,5 – 7,2       |
| CA08COM-IN20-**P*-***-D11   | 37,4 | 62       | 86       | D11 = 7,0 – 11,0      |

- \* For socket inserts substitute "S" for "P"  
 \*\* Add contact arrangement number (see pages 6 – 8)  
 \*\*\* 01 Crimp contact

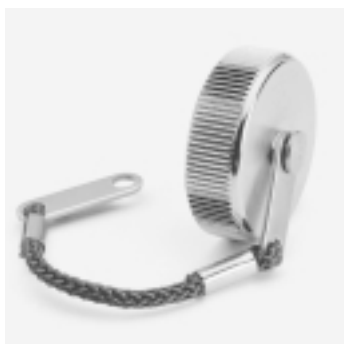




coupling  
CA00COM-B, CA02COM-E-B and  
CA20COM-E-B

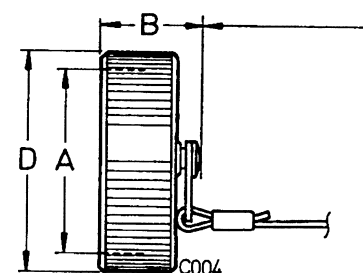


| Part No.      | Shell size | B<br>± 0,3 | D<br>max | L<br>± 0,25 |
|---------------|------------|------------|----------|-------------|
| CA120003-1701 | 10 SL      | 19,5       | 22,4     | 107         |
| CA120003-1702 | 12S        | 19,5       | 25,6     | 107         |
| CA120003-1703 | 14S        | 19,5       | 28,8     | 107         |
| CA121003-1704 | 16S        | 19,5       | 31,6     | 107         |
| CA121003-1705 | 16         | 24,5       | 31,6     | 120         |
| CA121003-1706 | 18         | 24,5       | 35,7     | 120         |
| CA121003-1707 | 20         | 24,5       | 39,1     | 134         |
| CA121003-1708 | 22         | 24,5       | 42,3     | 134         |
| CA121003-1709 | 24         | 24,5       | 45,8     | 134         |
| CA121003-1710 | 28         | 24,5       | 51,6     | 176         |
| CA121003-1711 | 32         | 24,5       | 58,3     | 176         |
| CA121003-1712 | 36         | 24,5       | 64,5     | 176         |



## Protective caps

for receptacles with threaded  
coupling  
CA00COM, CA02COM-E and  
CA20COM



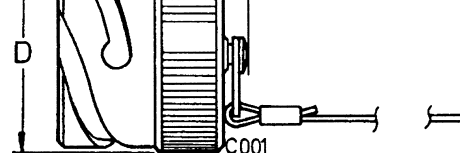
| Part No.      | Shell size | A<br>Thread     | B<br>max | D<br>max | L<br>max |
|---------------|------------|-----------------|----------|----------|----------|
| CA121003-1601 | 10SL       | 5/8-24UNEF-2B   | 16,0     | 20,2     | 114      |
| CA121003-1602 | 12S        | 3/4-20UNEF-2B   | 16,0     | 23,4     | 127      |
| CA121003-1603 | 14S        | 7/8-20UNEF-2B   | 16,0     | 26,6     | 127      |
| CA121003-1604 | 16S, 16    | 1-20UNEF-2B     | 16,0     | 29,8     | 127      |
| CA121003-1606 | 18         | 1-1/8-18UNEF-2B | 16,0     | 32,9     | 127      |
| CA121003-1607 | 20         | 1-1/4-18UNEF-2B | 16,0     | 36,1     | 141      |
| CA121003-1608 | 22         | 1-3/8-18UNEF-2B | 16,0     | 39,4     | 141      |
| CA121003-1609 | 24         | 1-1/2-18UNEF-2B | 16,0     | 42,6     | 154      |
| CA121003-1610 | 28         | 1-3/4-18UNEF-2B | 18,0     | 48,9     | 214      |
| CA121003-1611 | 32         | 2-18UNS-2B      | 18,0     | 55,3     | 214      |
| CA121003-1612 | 36         | 2-1/4-16UN-2B   | 18,0     | 61,6     | 214      |

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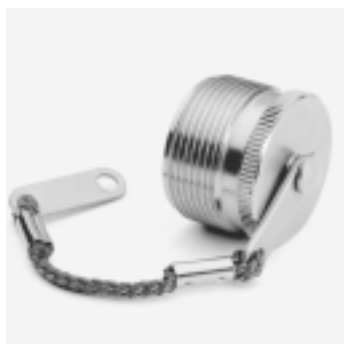




CA06COM-B and CA08COM-B

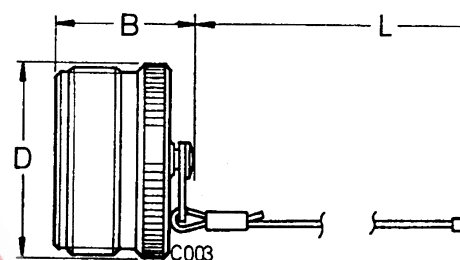


| Part No.      | Shell size | B<br>max | D<br>max | L<br>ca |
|---------------|------------|----------|----------|---------|
| CA121004-1701 | 10 SL      | 29,0     | 20,7     | 107     |
| CA121004-1702 | 12S        | 29,0     | 23,9     | 120     |
| CA121004-1703 | 14S        | 29,0     | 27,1     | 120     |
| CA121004-1704 | 16S        | 29,0     | 29,9     | 120     |
| CA121004-1705 | 16         | 37,0     | 29,9     | 134     |
| CA121004-1706 | 18         | 37,0     | 33,3     | 134     |
| CA121004-1707 | 20         | 37,0     | 36,7     | 147     |
| CA121004-1708 | 22         | 37,0     | 39,9     | 147     |
| CA121004-1709 | 24         | 37,0     | 43,4     | 147     |
| CA121004-1710 | 28         | 37,0     | 49,2     | 204     |
| CA121004-1711 | 32         | 37,0     | 55,9     | 204     |
| CA121004-1712 | 36         | 37,0     | 62,1     | 204     |



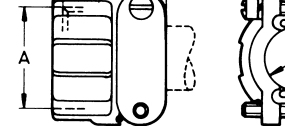
## Protective caps

for plugs with threaded coupling  
CA06COM and CA08COM



| Part No.      | Shell size | A<br>Thread     | B<br>max | D<br>max | L<br>max |
|---------------|------------|-----------------|----------|----------|----------|
| CA121004-1601 | 10SL       | 5/8-24UNEF-2A   | 20,5     | 16,7     | 114      |
| CA121004-1602 | 12S        | 3/4-20UNEF-2A   | 25,0     | 19,8     | 127      |
| CA121004-1603 | 14S        | 7/8-20UNEF-2A   | 25,0     | 23,0     | 127      |
| CA121004-1604 | 16S, 16    | 1-20UNEF-2A     | 25,0     | 26,2     | 127      |
| CA121004-1606 | 18         | 1-1/8-18UNEF-2A | 25,0     | 29,4     | 127      |
| CA121004-1607 | 20         | 1-1/4-18UNEF-2A | 25,0     | 32,5     | 141      |
| CA121004-1608 | 22         | 1-3/8-18UNEF-2A | 25,0     | 35,7     | 141      |
| CA121004-1609 | 24         | 1-1/2-18UNEF-2A | 25,0     | 38,9     | 154      |
| CA121004-1610 | 28         | 1-3/4-18UNEF-2A | 25,0     | 45,2     | 214      |
| CA121004-1611 | 32         | 2-18UNS-2A      | 25,0     | 51,6     | 214      |
| CA121004-1612 | 36         | 2-1/4-16UN-2A   | 25,0     | 57,9     | 214      |





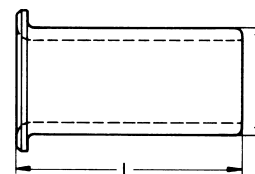
| Part No.     | Shell size | A<br>Thread      | B<br>max | E<br>max | L<br>max | R<br>max |
|--------------|------------|------------------|----------|----------|----------|----------|
| CA121051-325 | 10SL, 12S  | 5/8-24UNEF-2B    | 10,5     | 7,9      | 20,8     | 22,0     |
| CA121051-326 | 14S        | 3/4-20UNEF-2B    | 10,6     | 11,1     | 22,4     | 27,4     |
| CA121051-327 | 16S, 16    | 7/8-20UNEF-2B    | 10,5     | 14,2     | 24,0     | 29,8     |
| CA121051-328 | 18         | 1-20UNEF-2B      | 10,5     | 15,8     | 24,0     | 32,2     |
| CA121051-329 | 20, 22     | 1-3/16-18UNEF-2B | 10,5     | 19,0     | 24,0     | 37,4     |
| CA121051-330 | 24, 28     | 1-7/16-18UNEF-2B | 10,5     | 23,7     | 26,4     | 43,9     |
| CA121051-331 | 32         | 1-3/4-18UNS-2B   | 12,0     | 31,8     | 28,0     | 51,7     |
| CA121051-332 | 36         | 2-18UNS-2B       | 13,7     | 34,6     | 29,6     | 57,8     |



## Telescoping bushing

The telescoping bushing is used together with above cable clamps CA121051-... It keeps oil, dirt or dust out of the endbell. Wrapping or insulating of the wires fed through the clamp is eliminated since they are protected by the bushing. Combinations of bushings may be used to reduce cable entry diameters for improved sealing.

Material: Polychloroprene



| Part No.     | Shell size | C<br>max | L<br>max | R<br>-0,3 |
|--------------|------------|----------|----------|-----------|
| 012-8552-000 | 10SL, 12S  | 10,0     | 70,4     | 6,7       |
| 012-8554-000 | 14S        | 12,8     | 67,4     | 9,2       |
| 012-0218-000 | 16S, 16    | 18,9     | 63,9     | 11,2      |
| 012-0219-000 | 18         | 22,1     | 60,6     | 14,4      |
| 012-0220-000 | 20, 22     | 27,0     | 57,4     | 16,0      |
| 012-8555-000 | 24, 28     | 27,0     | 57,4     | 16,7      |
| 012-8556-000 | 24, 28     | 33,5     | 54,4     | 21,6      |
| 012-8557-000 | 32         | 33,5     | 54,4     | 21,6      |
| 012-8558-000 | 32         | 40,5     | 51,4     | 26,9      |
| 012-8558-000 | 36         | 40,5     | 51,4     | 26,9      |
| 012-0223-000 | 36         | 47,0     | 48,4     | 31,9      |

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#### Rear panel mounting

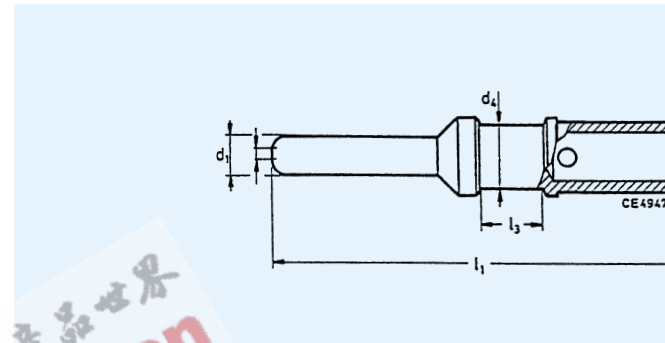
| Part No.     | Shell size | A<br>$\pm 0,1$ | B<br>$+0,2$ | C<br>$\pm 0,3$ |
|--------------|------------|----------------|-------------|----------------|
| 075-8501-000 | 10SL       | 18,2           | 18,2        | 25,4           |
| 075-8502-000 | 12S        | 20,6           | 21,4        | 28,0           |
| 075-8503-000 | 14S        | 23,0           | 24,6        | 30,0           |
| 075-8504-000 | 16S, 16    | 24,6           | 27,4        | 32,5           |
| 075-8505-000 | 18         | 27,0           | 30,8        | 35,0           |
| 075-8506-000 | 20         | 29,4           | 34,2        | 38,0           |
| 075-8507-000 | 22         | 31,8           | 37,4        | 41,0           |
| 075-8508-000 | 24         | 34,9           | 40,8        | 44,5           |
| 075-8509-000 | 28         | 39,7           | 46,7        | 50,8           |
| 075-8510-000 | 32         | 44,5           | 53,4        | 57,0           |
| 075-8511-000 | 36         | 49,2           | 59,6        | 63,5           |

#### Front panel mounting

| Part No.     | Shell size | A<br>$\pm 0,1$ | B<br>$+0,2$ | C<br>$\pm 0,3$ |
|--------------|------------|----------------|-------------|----------------|
| 075-8512-000 | 10SL       | 15,7           | 18,2        | 25,4           |
| 075-8513-000 | 12S        | 20,6           | 18,9        | 28,0           |
| 075-8514-000 | 14S        | 23,0           | 22,1        | 30,0           |
| 075-8515-000 | 16S, 16    | 24,6           | 25,3        | 32,5           |
| 075-8516-000 | 18         | 27,0           | 28,4        | 35,0           |
| 075-8517-000 | 20         | 29,4           | 31,6        | 38,0           |
| 075-8518-000 | 22         | 31,8           | 34,8        | 41,0           |
| 075-8519-000 | 24         | 34,9           | 38,0        | 44,5           |
| 075-8520-000 | 28         | 39,7           | 44,3        | 50,8           |
| 075-8521-000 | 32         | 44,5           | 50,7        | 57,0           |
| 075-8522-000 | 36         | 49,2           | 57,0        | 63,5           |

## Socket contacts

| Contact size | Termination size mm <sup>2</sup> | Part number with finish A36 | d1                   | d2 +0,05 | d3                   | d5                    | d6                    |
|--------------|----------------------------------|-----------------------------|----------------------|----------|----------------------|-----------------------|-----------------------|
| 15S          | 0,75 - 1,5                       | 031-8555-110                | 3,2 <sup>-0,15</sup> | 1,65     | 1,75 <sup>-0,1</sup> | 1,75 <sup>+0,08</sup> | 2,75 <sup>-0,08</sup> |
|              | 0,3 - 0,6                        | 031-8688-110                | 3,2 <sup>-0,15</sup> | 1,65     | 1,75 <sup>-0,1</sup> | 1,2 <sup>+0,1</sup>   | 2,75 <sup>-0,08</sup> |
|              | 0,14 - 0,38                      | 031-8555-130                | 3,2 <sup>-0,15</sup> | 1,65     | 1,75 <sup>-0,1</sup> | 0,9 <sup>+0,05</sup>  | 2,75 <sup>-0,08</sup> |
| 15           | 0,75 - 1,5                       | 031-8556-110                | 3,2 <sup>-0,15</sup> | 1,65     | 1,75 <sup>-0,1</sup> | 1,75 <sup>+0,08</sup> | 2,75 <sup>-0,08</sup> |
|              | 0,3 - 0,6                        | 031-8639-120                | 3,2 <sup>-0,15</sup> | 1,65     | 1,75 <sup>-0,1</sup> | 1,2 <sup>+0,1</sup>   | 2,75 <sup>-0,08</sup> |
|              | 0,14 - 0,38                      | 031-8556-130                | 3,2 <sup>-0,15</sup> | 1,65     | 1,75 <sup>-0,1</sup> | 0,9 <sup>+0,05</sup>  | 2,75 <sup>-0,08</sup> |
| 25           | 2,0 - 3,0                        | 031-8557-000                | 4,8 <sup>-0,1</sup>  | 2,45     | 3,3 <sup>-0,1</sup>  | 2,5 <sup>+0,1</sup>   | 3,8 <sup>-0,1</sup>   |
|              | 0,75 - 1,5                       | 031-8557-020                | 4,8 <sup>-0,1</sup>  | 2,45     | 3,3 <sup>-0,1</sup>  | 1,75 <sup>+0,08</sup> | 3,8 <sup>-0,1</sup>   |
|              | 4,0                              | 031-8557-010                | 4,8 <sup>-0,1</sup>  | 2,45     | 3,3 <sup>-0,1</sup>  | 2,8 <sup>+0,1</sup>   | 3,8 <sup>-0,1</sup>   |
|              | 0,3 - 0,6                        | 031-8557-040                | 4,8 <sup>-0,1</sup>  | 2,45     | 3,3 <sup>-0,1</sup>  | 1,2 <sup>+0,1</sup>   | 3,8 <sup>-0,1</sup>   |
| 100          | 6,0                              | 031-8558-000                | 6,5 <sup>-0,2</sup>  | 3,65     | 6,25 <sup>-0,2</sup> | 3,5 <sup>+0,1</sup>   | 6,8 <sup>-0,1</sup>   |
|              | 10,0                             | 031-8559-000                | 6,5 <sup>-0,2</sup>  | 3,65     | 6,25 <sup>-0,2</sup> | 4,8 <sup>+0,1</sup>   | 6,8 <sup>-0,1</sup>   |
|              | 2,0 - 3,0                        | 031-8519-010                | 6,5 <sup>-0,2</sup>  | 3,65     | 6,25 <sup>-0,2</sup> | 2,5 <sup>+0,05</sup>  | 6,8 <sup>-0,1</sup>   |
|              | 4,0                              | 031-8519-000                | 6,5 <sup>-0,2</sup>  | 3,65     | 6,25 <sup>-0,2</sup> | 4,55 <sup>+0,1</sup>  | 6,8 <sup>-0,1</sup>   |



## Pin Contacts

| Contact size | Termination size mm <sup>2</sup> | Part number with finish A36 | d1 -0,05 | d4                    | d6                    | d7                    |
|--------------|----------------------------------|-----------------------------|----------|-----------------------|-----------------------|-----------------------|
| 15S          | 0,75 - 1,5                       | 030-8586-000                | 1,6      | 1,75 <sup>-0,1</sup>  | 1,75 <sup>+0,08</sup> | 2,75 <sup>-0,08</sup> |
|              | 0,3 - 0,6                        | 330-8744-000                | 1,6      | 1,75 <sup>-0,1</sup>  | 1,2 <sup>+0,1</sup>   | 2,75 <sup>-0,08</sup> |
|              | 0,14 - 0,38                      | 030-8586-010                | 1,6      | 1,75 <sup>-0,1</sup>  | 0,9 <sup>+0,05</sup>  | 2,75 <sup>-0,08</sup> |
| 15           | 0,75 - 1,5                       | 030-8587-000                | 1,6      | 1,75 <sup>-0,1</sup>  | 1,75 <sup>+0,08</sup> | 2,75 <sup>-0,08</sup> |
|              | 0,3 - 0,6                        | 330-8659-000                | 1,6      | 1,75 <sup>-0,1</sup>  | 1,2 <sup>+0,1</sup>   | 2,75 <sup>-0,08</sup> |
|              | 0,14 - 0,38                      | 030-8587-030                | 1,6      | 1,75 <sup>-0,1</sup>  | 0,9 <sup>+0,05</sup>  | 2,75 <sup>-0,08</sup> |
| 25           | 2,0 - 3,0                        | 030-8588-000                | 2,4      | 3,3 <sup>-0,15</sup>  | 2,5 <sup>+0,1</sup>   | 3,8 <sup>-0,1</sup>   |
|              | 0,75 - 1,5                       | 030-8588-010                | 2,4      | 3,3 <sup>-0,15</sup>  | 1,75 <sup>+0,08</sup> | 3,8 <sup>-0,1</sup>   |
|              | 4,0                              | 030-8588-054                | 2,4      | 3,3 <sup>-0,15</sup>  | 2,8 <sup>+0,1</sup>   | 3,8 <sup>-0,1</sup>   |
| 100          | 6,0                              | 030-8589-000                | 3,6      | 6,25 <sup>-0,15</sup> | 3,5 <sup>+0,1</sup>   | 6,8 <sup>-0,1</sup>   |
|              | 10,0                             | 030-8590-000                | 3,6      | 6,25 <sup>-0,15</sup> | 4,8 <sup>+0,1</sup>   | 6,8 <sup>-0,1</sup>   |
|              | 2,0 - 3,0                        | 030-8612-010                | 3,6      | 6,25 <sup>-0,15</sup> | 2,5 <sup>+0,05</sup>  | 6,8 <sup>-0,1</sup>   |
|              | 4,0                              | 030-8612-020                | 3,6      | 6,25 <sup>-0,15</sup> | 2,8 <sup>+0,1</sup>   | 6,8 <sup>-0,1</sup>   |

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| size | mm <sup>2</sup> |             |              |        |
|------|-----------------|-------------|--------------|--------|
| 15   | 0,3 – 1,5       | M22520-1-01 | 995-0001-585 | TH 452 |
| 15S  | 0,3 – 1,5       |             |              |        |
| 25   | 0,3 – 4,0       |             |              |        |

### Pneumatic crimp tool

for pin / socket contacts acc to VG95234 and Cannon contacts with reduced termination size

| Contact size | Wire size mm <sup>2</sup> | Pneumatic table crimp tool | Order reference | Bench mount | Order reference | Foot pedal | Order reference |  |
|--------------|---------------------------|----------------------------|-----------------|-------------|-----------------|------------|-----------------|--|
| 15           | 0,3 – 1,5                 | WA27F-CE                   | 121586-5067     | BM-2        | 121586-5068     | WA10       | 121586-5069     |  |
| 15S          | 0,3 – 1,5                 |                            |                 |             |                 |            |                 |  |
| 25           | 0,3 – 4,0                 |                            |                 |             |                 |            |                 |  |

### Hydraulic hand crimp tool

for pin / socket contacts acc to VG95234 and Cannon contacts with reduced termination size

| Contact size | Wire size mm <sup>2</sup> | Hand pump                          | Order reference | Foot pedal     | Order reference | High pressure hose 2 m                          | Order reference | Crimp head                   |
|--------------|---------------------------|------------------------------------|-----------------|----------------|-----------------|-------------------------------------------------|-----------------|------------------------------|
| 100          | 2,0 – 10,0                | 4601.00000.330                     | 121586-0027     | 4601.51000.330 | 121586-0008     | 4604.00000.020                                  | 121586-0023     | 4632.0000                    |
|              |                           | Safety device incl. Bench mounting | Order reference | Positioner     | Order reference | Crimp Turrets (upper crimp die) Order reference |                 | Crimp Turret Order reference |
|              |                           | CT121086-3079                      | 121086-3079     | 121086-3080    | 121086-3080     | 317-8531-000                                    |                 | 317-8531-                    |

**Note:** Hydraulic electro pump (HK 12EL) upon request.

### Insertion tools / Extraction tools

| Contact size | Insertion tools |                 | Insertion pliers |                 | Extraction tools |                 |
|--------------|-----------------|-----------------|------------------|-----------------|------------------|-----------------|
|              | Part No.        | Order reference | Part No.         | Order reference | Part No.         | Order reference |
| 15           | CIT 16          | 121086-3008     | CIT-F80-16       | 121086-0097     | CET-F80-16       | 121086-0097     |
| 25           | CIT 12          | 121086-3007     | CIT-F80-12       | 121086-0096     | CET-F80-12       | 121086-0096     |
| 100          | CIT 8           | 121086-0095     |                  |                 | CET-8            | 121086-0095     |

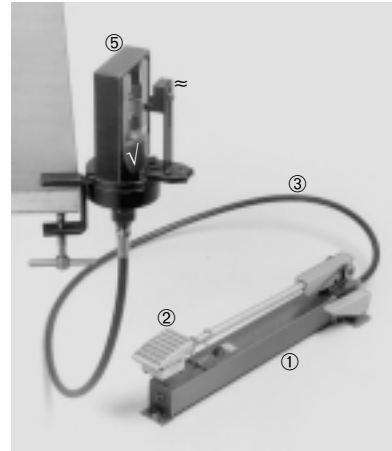
### Crimp contacts

Connectors of series CA-COM and CA-COM-B are also available with crimp contacts for AWG wire sizes. In order to wire, insert and extract contacts, the tools mentioned on this page are needed. All tools have to be ordered separately.

Please ask for our detailed Wiring and Assembly instructions.

## Hydraulic hand crimp tool

- 1 Hand pump
- 2 Foot pedal
- 3 High pressure hose 2 m
- 4 Crimp head
- 5 Safety device incl. bench mounting
- 6 Positioner  
(to be used with 121086-3079 only)



## Technical Data

**Hand pump:**

Length  
Width  
Height  
Oil contents  
Usable oil quality  
Output per lift

**High pressure hose:**

Length

**Crimp head:**

Crimp force  
Lift (with positioners)  
Weight (incl. oil)

## Insertion tools / Extraction tools



Insertion tool



Insertion pliers



Extraction tool

## 1. MATERIAL CONTENT AND PHYSICAL FORM

Electrical connectors do not usually contain hazardous materials. They contain conducting and non-conducting materials and can be divided into two groups.

a) Printed circuit types and low cost audio types which employ all plastic insulators and casings.

b) Rugged, Fire Barrier and High Reliability types with metal casings and either natural rubber, synthetic rubber, plastic or glass insulating materials.

Contact materials vary with type of connector and also application and are usually manufactured from either copper, copper alloys, nickel, alumel, chromel or steel. In special applications, other alloys may be specified.

## 2. FIRE CHARACTERISTICS AND ELECTRIC SHOCK HAZARD

**There is no fire hazard when the connector is correctly wired and used within the specified parameters. Incorrect wiring or assembly of the connector or careless use of metal tools or conductive fluids, or transit damage to any of the component parts may cause electric shock or burns. Live circuits must not be broken by separating mated connectors as this may cause arcing, ionisation and burning.**

Heat dissipation is greater at maximum resistance in a circuit. Hot spots may occur when resistance is raised locally by damage, e.g. cracked or deformed contacts, broken strands of wire. Local overheating may also result from the use of the incorrect application tools or from poor quality soldering or slack screw terminals. Overheating may occur if the ratings in the Product Data Sheet/Catalogue are exceeded and can cause breakdown of insulation and hence electric shock.

If heating is allowed to continue it intensifies by further increasing the local resistance through loss of temper of spring contacts, formation of oxide film on contacts and wires, and leakage currents through carbonisation of insulation and tracking paths. Fire can then result in the presence of combustible materials and this may release noxious fumes. Overheating may not be visually apparent. Burns may result from touching overheated components.

Electrical connectors may be damaged in transit to the customers, and damage may result in creation of hazards. Products should therefore be examined prior to installation/use and rejected if found to be damaged.

## 4. DISPOSAL

Incineration of certain materials may release noxious or even toxic fumes.

## 5. APPLICATION

Connectors with exposed contacts should not be selected for use on the current supply side of an electrical circuit, because an electric shock could result from touching exposed contacts on an unmated connector. Voltages in excess of 30 V ac or 42.5 V dc are potentially hazardous and care should be taken to ensure that such voltages can not be transmitted in any way to exposed metal parts of the connector body. The connector and wiring should be checked, before making live, to have no damage to metal parts or insulators, no solder blobs, loose strands, conducting lubricants, swarf, or any other undesired conducting particles. Insulation resistance should be checked to make certain that no low resistance joints or spurious conducting path are existing between contacts and exposed metal parts of the connector body. Further the contact resistance of the connectors should be measured within the electrical circuit in order to identify high resistances which result in excessive connector heating.

For operation voltage please refer to the regulations.

## IMPORTANT GENERAL INFORMATION

1. Air and creepage paths/Overvoltage  
The admissible operating voltage for individual applications and other applicable safety regulations.

For this reason the air and only reference values. Observe creepage paths due to PCB layout.

2. Temperature  
All information given are for operation temperature depending on application.

3. Other important information  
Cannon continuously endeavours to improve its products. Therefore, Cannon reserves the right to change the description, technical data shown in this catalogue and other information without notice.

4. Harnessing and Assembly Instructions  
If applicable, our special harnessing and assembly instruction has to be followed as requested at request.

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