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## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Nb of contacts Coax                | 1                              |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 2.60 - 3.00 mm                 |
| Size                               | 0E                             |
| Suggested matching part            | <a href="#">ERA.0E.250.CTL</a> |
| Series                             | E - Outdoor Stepped Insert     |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-0e-250-ctac30z.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-0e-250-ctac30z.html)

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# Technical details

## Electrical Configuration

|                            |  |
|----------------------------|--|
| Nb of contacts Coax        | 1  |
| Contact Termination Coax   | Solder   |
| Insert configuration value | 0E.250 - 1 Coax (50 Ohm)   |
| Insulator                  | T: PTFE  |
| Rated current              | 6 A  |
| Impedance                  | 50 Ohm   |
| OHM                        | 50   |
| VSWR                       | 1.02 + 0.25 * f/GHz  |
| Vtest                      | 3000 V (AC), 4200 V (DC)   |
| Contact Type               | Coaxial 50 Ohm (Solder)  |
| Cable type                 | RG 178 B/U, RG 196 A/U, RG 188 A/U, RG 316 B/U, RG 174 A/U, HF-2114, RG 122 /U |
| Bucket Dia.                | 1 mm (0.039in)   |
| Contact Dia.               | 0.9 mm (0.035in)   |

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | FFA - Straight plug, cable collet and nut for fitting a bend relief  |
| Plug                   | Straight   |
| Housing material       | Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Locking system         | Push-pull  |
| Keying                 | Circular, male   |
| Colour                 | Grey   |
| Variant                | Nut for fitting a bend relief  |
| Weight                 | 12.72 g  |

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## Environment

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|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | IP68  |
| Endurance                         | 5000 mating cycles                          |
| Temperature range                 | -55°C / +200°C                              |
| Climatical Category               | 50/175/21                                   |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]                  |
| Shielding (min)                   | 95 dB (10 MHz)                              |
| Shielding (min)                   | 80 dB (1 GHz)                               |
| Shock Resistance                  | 100 g [ 6 ms]                               |
| Vibration                         | 15 g [10 Hz - 2000 Hz]                      |
| Salt Spray Corrosion              | >1000 hr                                    |

## Cable fixation

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|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 2.60 - 3.00 mm        |

# Recommended By Lemo

## Accessories





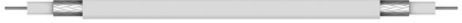
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|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BFA.0E.100.NAS</a> |
|----------------|--------------------------------|

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# Cables

| Cable PartNumber   | Material  | Colour | Cable image   |
|--------------------|-----------|--------|---|
| 17420              | PVC       | Black  |    |
| 17450              | COPOLYMER | Black  |    |
| 18700              | PTFE      | White  |    |
| 18800              | PTFE      | White  |   |
| 31600              | PTFE      | Brown  |   |
| CCX.50.RG1.74AU28N | PVC       | Black  |   |
| CCX.50.RG1.74AU28N | PVC       | Black  |    |
| CCX.50.RG1.88AU26B | PFA       | White  |   |
| CCX.50.RG1.88AU26B | PTFE      | White  |   |
| CCX.50.RG3.16BU26M | FEP       | Brown  |   |
| CCX.50.RG3.16U28M  | PTFE      | Brown  |   |
| CCX.75.RG1.79BU26M | FEP       | Brown  |   |
| CCX.75.RG1.87AU26B | PFA       | White  |   |
| CCX.75.RG1.87AU27B | PTFE      | White  |  |

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