



## Summary

[Request a quote](#)

[Catalog](#)

|                                    |                                |
|------------------------------------|--------------------------------|
| Coax                               | 1                              |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 6.10 - 6.50 mm                 |
| Size                               | 1E                             |
| Matching parts                     | <a href="#">ERA.1E.275.CTL</a> |
| Series                             | E - Outdoor Stepped Insert     |

## Technical details

### Electrical Configuration

|                            |   |
|----------------------------|---|
| Coax                       | 1   |
| Contact Termination Coax   | Solder  |
| Insert configuration value | 1E.275 - 1 Coax (75 Ohm)  |
| Insulator                  | T: PTFE   |
| Rated current              | 10 Amps   |
| Impedance                  | 75 Ohm  |
| VSWR                       | 1.02 + 0.08 * f/GHz   |
| Vtest                      | 2400 V (AC), 3300 V (DC)  |
| Contact Type               | Solder  |
| Cable type                 | Cable type: A RG 179 B/U, RG 187 A/U, RG 58 C/U, RG 302 /U, RG 400 /U, 2YCCY, RG 59 B/U, RG 223 /U, HF-5408 S |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-275-ctac65.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-275-ctac65.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | FFA - Straight plug, cable collet  |
| 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   |
| Weight                 | 22.69 g  |

## Environment

|                                      |   |
|--------------------------------------|---|
| Technical domain                     | Energy and Industrial, Test and Measurement |
| Environmental protection (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

|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 6.10 - 6.50 mm                               |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-275-ctac65.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-275-ctac65.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.