

## 75 $\Omega$ TRIAXIAL CONNECTOR FOR BROADCASTING REDEL F SERIES



### REDEL F Series (75 $\Omega$ )

The REDEL F Series is a range of self-latching triaxial connectors specifically designed for TV cameras. The design of these connectors is particularly compact, they are easy to assemble and have an excellent electrical performance.

The REDEL F series is a 75  $\Omega$  connector that can be used for digital or analog signal transmission.

Available with crimp or solder central contact.

The connector guarantees a protection index of IP66 as per IEC 60529 standard. They are fully intermatable with the 1051 A004 Series.

These connectors are especially dedicated to the Nordic, Spanish and Asian market.



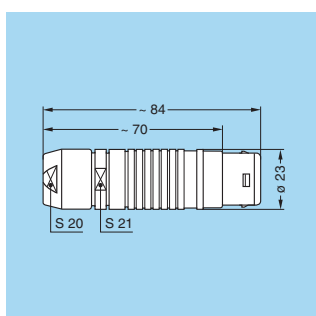
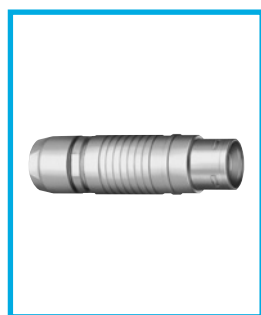
## Technical Characteristics

| Characteristics                           | Value                       | Standard      | Method  |
|-------------------------------------------|-----------------------------|---------------|---------|
| Impedance                                 | 75 $\Omega$                 | N.A.          | N.A.    |
| VSWR (0-500 MHz) <sup>1)</sup>            | $\leq 1.15$                 | IEC 60169-1-1 | –       |
| VSWR (0-1000 MHz) <sup>1)</sup>           | $\leq 1.20$                 | IEC 60169-1-1 | –       |
| Test voltage central contact/screen       | 2.9 kVAC                    | IEC 60512-2   | test 4a |
| Test volt. central screen/external screen | 1.9 kVAC                    | IEC 60512-2   | test 4a |
| Rated current                             | 12 A                        | IEC 60512-3   | test 5a |
| Contact resistance                        | < 3 m $\Omega$              | IEC 60512-2   | test 2a |
| Contact resistance internal screen        | < 1.5 m $\Omega$            | IEC 60512-2   | test 2f |
| Electrical continuity of the screen       | < 1.5 m $\Omega$            | IEC 60512-2   | test 2f |
| Insulation resistance                     | > 10 <sup>12</sup> $\Omega$ | IEC 60512-2   | test 3a |
| Watertightness                            | IP66                        | IEC 60529     | –       |

**Note:** <sup>1)</sup> Tests have been carried out with FAZ and FNZ models and a triax 11 group 4 cable.

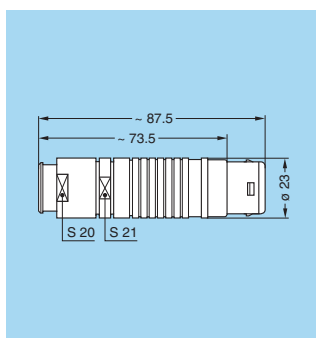
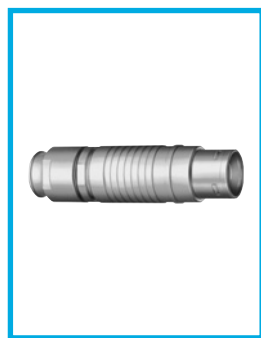
## Recommended cables

| Reference                | Cable groupe | Reference               | Cable groupe |
|--------------------------|--------------|-------------------------|--------------|
| Triax Type A2            | 3            | FMC Triax 8             | 2            |
| Triax Type B2            | 7            | FMC Triax 11            | 4            |
| BEDEA Superflex triax 8  | 2            | FMC Triax 14            | 8            |
| BEDEA Superflex triax 11 | 4            | Fujikura 4.8/1.0 EFTXF  | 3            |
| BEDEA Superflex triax 14 | 8            | Fujikura 9.6/2.22 EFTXF | 8            |
| Belden 8232A             | 1            | Hirakawa Triax 4.8/1.0  | 2            |
| Belden 8233A             | 5            | NOKIA Triax 8           | 2            |
| Belden 9192              | 7            | NOKIA Triflex 8         | 2            |
| Belden 9232              | 7            | NOKIA Triax 11          | 4            |
| Belden 9267              | 3            | NOKIA Triflex 11        | 4            |
| NEK 23860                | 2            | NOKIA Triax 11/2        | 6            |
| NEK 63990                | 4            | NOKIA Triax 14          | 8            |



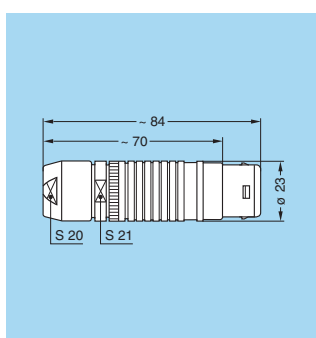
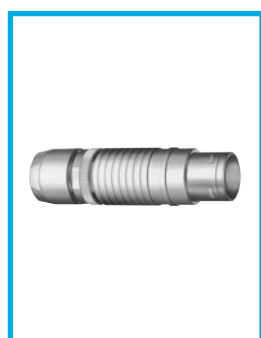
### FAZ Straight plug with cable collet

| Part Number      | Cable groupe |
|------------------|--------------|
| FAZ.T7.5FT.CC85C | 1            |
| FAZ.T7.5FT.CC86C | 2            |
| FAZ.T7.5FT.CC90C | 3            |
| FAZ.T7.5FT.CC11C | 4            |
| FAZ.T7.5FT.CC12C | 5            |
| FAZ.T7.5FT.CC13C | 6            |
| FAZ.T7.5FT.CC14C | 7            |
| FAZ.T7.5FT.CC15C | 8            |



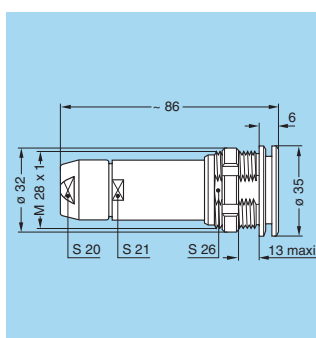
### FAZ Straight plug with cable collet and nut for fitting a bend relief

| Part Number       | Cable groupe |
|-------------------|--------------|
| FAZ.T7.5FT.CC85CZ | 1            |
| FAZ.T7.5FT.CC86CZ | 2            |
| FAZ.T7.5FT.CC90CZ | 3            |
| FAZ.T7.5FT.CC11CZ | 4            |
| FAZ.T7.5FT.CC12CZ | 5            |
| FAZ.T7.5FT.CC13CZ | 6            |
| FAZ.T7.5FT.CC14CZ | 7            |
| FAZ.T7.5FT.CC15CZ | 8            |



### FBZ Straight plug with cable collet and safety nut

| Part Number      | Cable groupe |
|------------------|--------------|
| FBZ.T7.5FT.CC85C | 1            |
| FBZ.T7.5FT.CC86C | 2            |
| FBZ.T7.5FT.CC90C | 3            |
| FBZ.T7.5FT.CC11C | 4            |
| FBZ.T7.5FT.CC12C | 5            |
| FBZ.T7.5FT.CC13C | 6            |
| FBZ.T7.5FT.CC14C | 7            |
| FBZ.T7.5FT.CC15C | 8            |

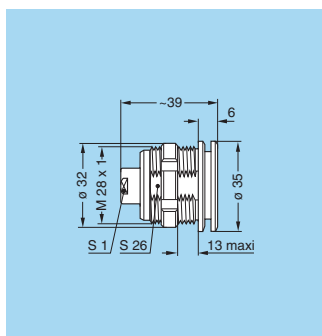


### FCZ Fixed plug with cable collet, nut fixing

| Part Number      | Cable groupe |
|------------------|--------------|
| FCZ.T7.5FT.CC85C | 1            |
| FCZ.T7.5FT.CC86C | 2            |
| FCZ.T7.5FT.CC90C | 3            |
| FCZ.T7.5FT.CC11C | 4            |
| FCZ.T7.5FT.CC12C | 5            |
| FCZ.T7.5FT.CC13C | 6            |
| FCZ.T7.5FT.CC14C | 7            |
| FCZ.T7.5FT.CC15C | 8            |

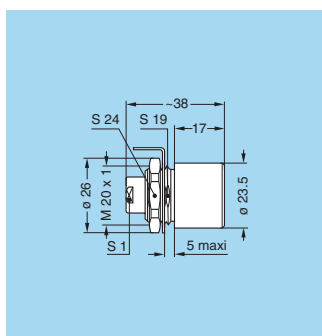
**Note:** All dimensions are in millimetres.

## FEZ Fixed plug, nut fixing



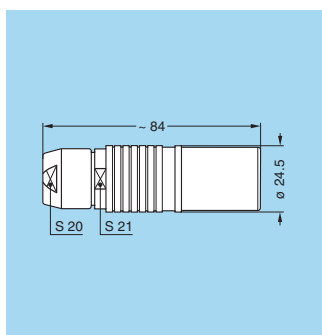
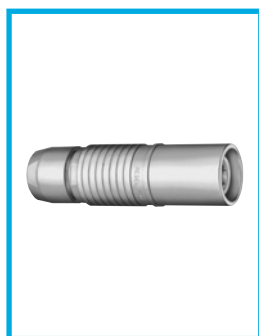
| Part Number     | S1 | Cable groupe |
|-----------------|----|--------------|
| FEZ.T7.5FT.C39C | 12 | 1            |
| FEZ.T7.5FT.C49C | 12 | 2-3          |
| FEZ.T7.5FT.C67C | 12 | 4-6          |
| FEZ.T7.5FT.C84C | 13 | 5-7          |
| FEZ.T7.5FT.C99C | 13 | 8            |

## FNZ Fixed socket, nut fixing, visible shell



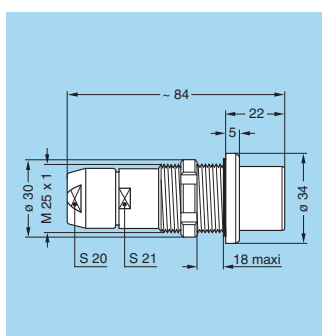
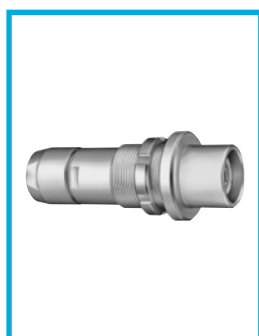
| Part Number     | S1 | Cable groupe |
|-----------------|----|--------------|
| FNZ.T7.5FT.M39C | 12 | 1            |
| FNZ.T7.5FT.M49C | 12 | 2-3          |
| FNZ.T7.5FT.M67C | 12 | 4-6          |
| FNZ.T7.5FT.M84C | 13 | 5-7          |
| FNZ.T7.5FT.M99C | 13 | 8            |

## FRZ Free socket with cable collet



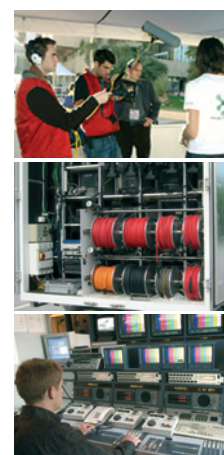
| Part Number      | Cable groupe |
|------------------|--------------|
| FRZ.T7.5FT.MC85C | 1            |
| FRZ.T7.5FT.MC86C | 2            |
| FRZ.T7.5FT.MC90C | 3            |
| FRZ.T7.5FT.MC11C | 4            |
| FRZ.T7.5FT.MC12C | 5            |
| FRZ.T7.5FT.MC13C | 6            |
| FRZ.T7.5FT.MC14C | 7            |
| FRZ.T7.5FT.MC15C | 8            |

## FSZ Fixed socket with cable collet, nut fixing, visible shell

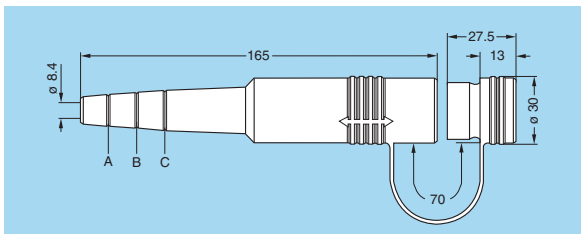


| Part Number      | Cable groupe |
|------------------|--------------|
| FSZ.T7.5FT.MC85C | 1            |
| FSZ.T7.5FT.MC86C | 2            |
| FSZ.T7.5FT.MC90C | 3            |
| FSZ.T7.5FT.MC11C | 4            |
| FSZ.T7.5FT.MC12C | 5            |
| FSZ.T7.5FT.MC13C | 6            |
| FSZ.T7.5FT.MC14C | 7            |
| FSZ.T7.5FT.MC15C | 8            |

**Note:** All dimensions are in millimetres.



## Accessories

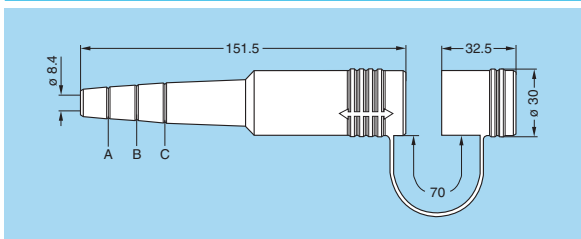


### FGA Bend relief with cap for plug

| Part Number    | Weight (g) |
|----------------|------------|
| FGA.085.145.EN | 51.0       |

| Cut | Cable ø (mm) |      |
|-----|--------------|------|
|     | Min          | Max  |
| -   | 8.4          | 10.7 |
| A   | 10.8         | 12.7 |
| B   | 12.8         | 14.1 |
| C   | 14.2         | 16.0 |

**Note:** This bend relief with cap FGA can only be installed onto a plug FAZ fitted with a nut for a bend relief.



### FGR Bend relief with cap for free socket

| Part Number    | Weight (g) |
|----------------|------------|
| FGR.085.145.EN | 49.0       |

| Cut | Cable ø (mm) |      |
|-----|--------------|------|
|     | Min          | Max  |
| -   | 8.4          | 10.7 |
| A   | 10.8         | 12.7 |
| B   | 12.8         | 14.1 |
| C   | 14.2         | 16.0 |



### FCP Spanner for notched nut

| Part Number | Ø nut (mm) | For model |
|-------------|------------|-----------|
| FCP.030.AZ  | 30         | FSZ       |
| FCP.032.AZ  | 32         | FCZ - FEZ |

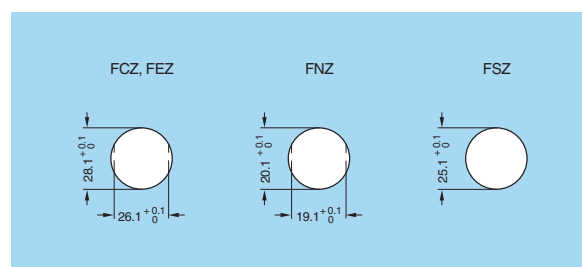
## Cable stripping lengths

| Cable group | Cable stripping lengths (mm) |      |    |   |
|-------------|------------------------------|------|----|---|
|             | L                            | S    | T  | U |
| 1           | 34                           | 23.0 | 13 | 6 |
| 2           | 34                           | 23.0 | 13 | 6 |
| 3           | 34                           | 23.0 | 13 | 6 |
| 4           | 34                           | 23.0 | 13 | 6 |
| 5           | 34                           | 23.0 | 13 | 6 |
| 6           | 34                           | 23.0 | 13 | 6 |
| 7           | 34                           | 23.0 | 13 | 6 |
| 8           | 34                           | 23.0 | 13 | 6 |

**Note:**  
**Inner screen fixing:** For all the models the letter «C» added to the end of the part number means a clamped inner screen.  
 For all the models with cable collet, (FAZ, FBZ, FCZ, FRZ and FSZ) the letter «E» added to the end of the part number means a crimped inner screen.  
 For all the models without cable collet (FEZ and FNZ), the letter «S» added to the end of the part number means a soldered inner screen.

All dimensions are in millimetres.

## Panel cut-outs



## LEMO HEADQUARTERS

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