



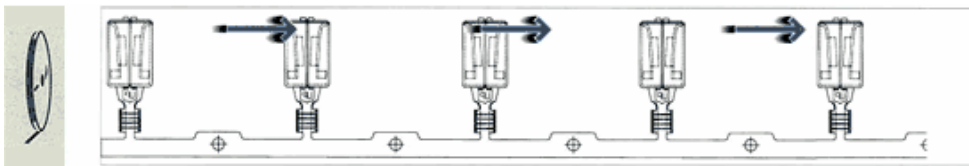
Cylindrical Terminals

RECEPTACLES

UP-STA - 1

OVERHEAD MOULDED RECEPTACLE

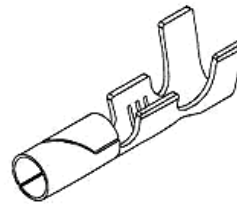
| | |
|---------------------------------|--------------------------------|
| Wire size mm ² (AWG) | 0,5-1 (20-18) |
| Material thickness | 0,4 mm |
| For tab | 4 mm |
| Materials | Base: brass - Finish: Nat, Sn |
| | Base: bronze - Finish: Nat, Sn |



UP-STA - 2

STANDARD RECEPTACLES.

The cylindrical receptacles are designed for three basic diameters of 2 mm, 2,3 mm (for connection to resistance pins and other applications) and 4 mm.



| | |
|--|--|
| Wire size mm ² (AWG) | 2mm diam- 0,5-1,5 (20-16) |
| | 2,3 mm diam - 0,5-1 (20-18) |
| | 4 mm diam - 0,5-1 (20-18) |
| | 4 mm diam - 1-2,5 (18-14) |
| Material thickness | 2 mm diam- 0,3 mm |
| | 2,3 mm diam - 0,3 mm |
| | 4 mm diam - 0,4 mm |
| For tab | 2 mm diam -2 mm |
| | 2,3 mm diam- 2,3 mm |
| | 4 mm diam -4 mm |
| Materials | 2 mm diam - Base: brass - Finish: Nat, Pre-Sn |
| | 2 mm diam - Base: bronze - Finish: Nat, Pre-Sn |
| | 2 mm diam - Base: steel - Finish: Ni |
| | 2,3 mm diam -Base: brass - Finish: Nat, Sn, Ni, Ag |
| | 2,3 mm diam - Base: bronze - Finish: Nat, Pre-Sn |
| | 4 mm diam - Base: brass - Finish: Nat, Pre-Sn |
| 4 mm diam - Base: bronze - Finish: Nat, Pre-Sn | |



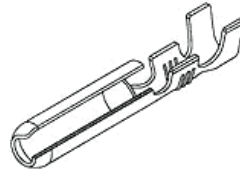
TABS

UP-STA

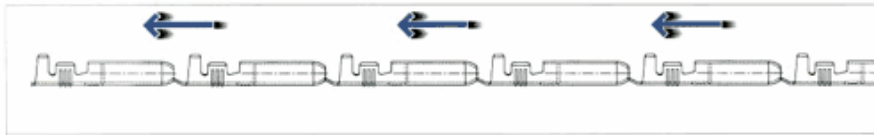
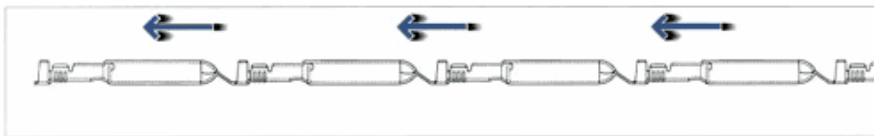
All cylindrical tabs manufactured by Escubedo have a 4 mm diameter and differ according to their different applications.

There is a long (L=30,5) plug-type tab for moulding and a short tab with a length of 23,3 mm. In moulding and normal versions.

Moulding tabs have an inner wall that prevents plastic from entering the plug during moulding operations



| | |
|---------------------------------|--|
| Wire size mm ² (AWG) | Long tab - 0,5-1 (20-18) |
| | Short tab - 0,5-1 (20-18) |
| | Short tab - 1-2,5 (18-14) |
| Materials | Long tab - Base: brass - Finish: Nat, Pre-Sn, Ni |
| | Short tab - Base: brass - Finish: Nat, Pre-Sn |
| | Long tab - 0,45 mm |
| | Short tab - 0,4 mm |
| Diameter | Long tab - 4 mm |
| | Short tab - 4 mm |



OVERMOULDED FEMALE TECHNICAL INFORMATION

UP-STA

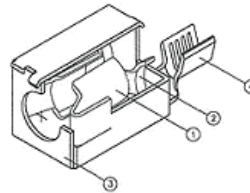
SOCKET TERMINAL

(overhead moulded socket)

The Research and Development Department of E.E.E. have created a new socket terminal (diameter 4) for a moulded plug which has been adapted to the UNE 20-315-94 standard.

We have resolved the difficulties that other moulded plugs have in complying with that standard. The design consist of a functional interior and a surrounding exterior.

The interior has hemispherical contacts (1) which retain all ther mechanical and electrical characteristics. To ensure perfect connection there are some small wings (2) which act as springs. The exterior (3) is rectangular and its purpose is to enclose the contact zone and during the moulding process prevent any injection materials entering it. The crimping of the tab can either be done by hand or by an automatic mounting.

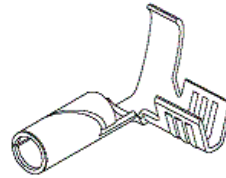


- ① Contactos semiesféricos
Hemispherical contacts
- ② Aletas de retorno
Spring wings
- ③ Tapa envolvente
Exterior part
- ④ Aletas de entrapación
Crimping wings

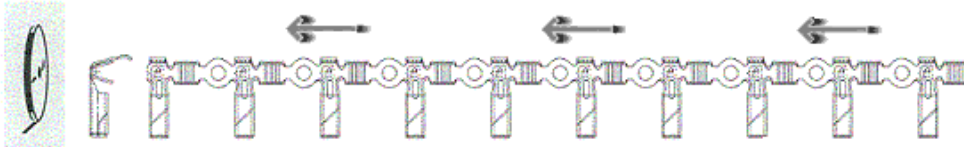
CYLINDRICAL FLAGS

UP-STA

With a 2 mm diameter, these terminals have to be applied to pin connections with a minimum space.



| | |
|---------------------------------|----------------------------------|
| Wire size mm ² (AWG) | 0,5-1 (20-18) |
| Material thickness | 0,3 mm |
| For pin | 2 mm |
| Materials | Base: Brass - Finishing: Nat, Sn |



UL APPROVED REFERENCES

UL

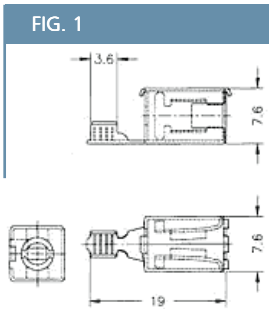
Following cylindrical terminals are UL approved.



| REF | AWG | 00 | 01/02 | 24 |
|-------|-------|----|-------|----|
| 8500. | 20-18 | X | X | |
| 8502. | 18-14 | X | X | |
| 8504. | 20-18 | X | X | |
| 8512. | 20-16 | X | X | X |

NOTES:

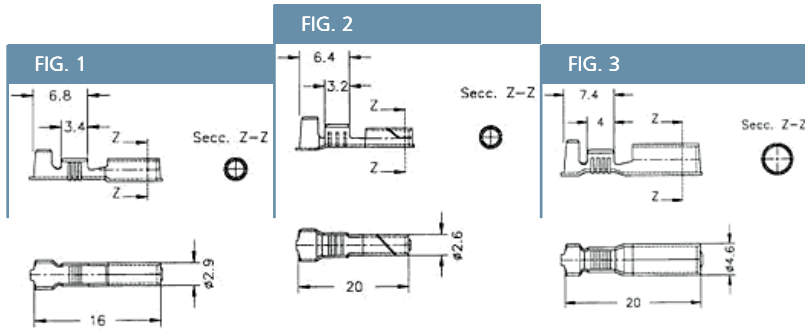
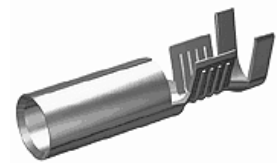
01. SOCKET (OVERHEAD MOULDED SOCKET)



| FIGURE | WIRE SIZE mm ² (AWG) | Ø INSULATION mm | TAB THICKNESS mm | STRIP FORM | | MATERIAL | TREATMENT | MATERIAL WIDTH mm | PARTS COIL |
|--------|------------------------------------|--------------------|---------------------|------------|-----------|----------|-----------|----------------------|------------|
| | | | | BASE | EXTENSION | | | | |
| 1 | 0,5-1 (20-18) | - | 4 | 8840. | 30 | BRONZE | - | 0,4 | 1400 |
| | | | | | 32 | | SN | | |

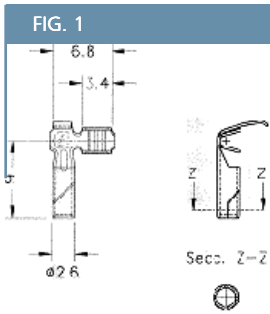
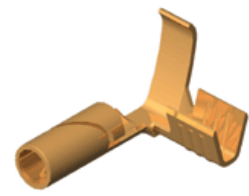
Cylindrical Terminals

02. RECEPTACLES



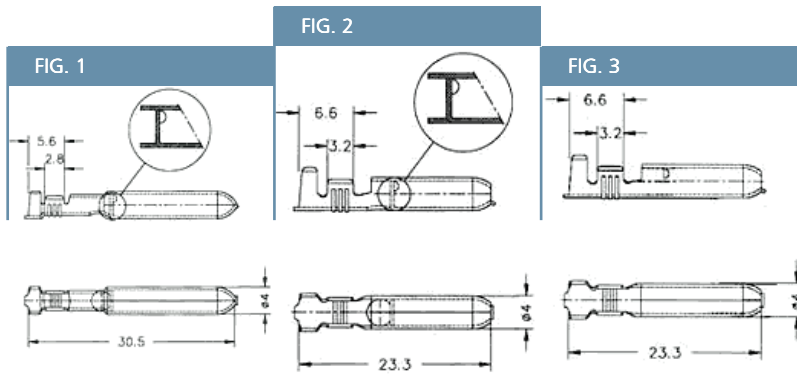
| FIGURE | WIRE SIZE mm ² (AWG) | Ø INSULATION mm | Ø mm | STRIP FORM | | MATERIAL | TREATMENT | MATERIAL WIDTH mm | PARTS COIL |
|--------|------------------------------------|--------------------|---------|------------|-----------|------------------|-----------|----------------------|------------|
| | | | | BASE | EXTENSION | | | | |
| 2 | 0,5-1,5 (20-16) | 2,3-3,3 | 2 | 8512. | 00 | BRASS | - | 0,3 | 14000 |
| | | | | | 01 | | PRE-SN | | |
| | | | | | 24 | STEEL | NI | | |
| | | | | | 30 | | - | | |
| 32 | BRONZE | SN | | | | | | | |
| 00 | | BRASS | - | | | | | | |
| 02 | SN | | | | | | | | |
| 1 | 0,5-1 (20-18) | 1,8-2,5 | 2,3 | 8504. | 03 | BRONZE | AG | | |
| | | | | | 04 | BRASS | NI | | |
| | | | | | 30 | BRONZE | - | | |
| | | | | | 32 | | SN | | |
| | | | | | 3 | 1-2,5 (18-14) | 3-4,3 | 4 | 8500. |
| 01 | PRE-SN | | | | | | | | |
| 30 | BRONZE | - | | | | | | | |
| 32 | | SN | | | | | | | |
| 8502. | 00 | BRASS | - | | | | | | |
| | 01 | | PRE-SN | | | | | | |
| | 30 | BRONZE | - | | | | | | |
| 32 | SN | | | | | | | | |

Cylindrical Terminals



| FIGURE | WIRE SIZE mm ² (AWG) | Ø INSULATION mm | Ø mm | STRIP FORM | | MATERIAL | TREATMENT | MATERIAL WIDTH mm | PARTS COIL |
|--------|------------------------------------|--------------------|---------|------------|-----------|-----------|-----------|----------------------|------------|
| | | | | BASE | EXTENSION | | | | |
| 1 | 0,5-1 (20-18) | 1,8-2,5 | 2 | 8514. | 00 | BRASS | - | 0,3 | 7000 |
| | | | | | 24 | STEEL | NI | | |
| | | | | | 30 | BRONZE | - | | |
| | | | | | 31 | | PRE-SN | | |
| | | | | | 70 | Ni SILVER | - | | |
| | | | | | 01 | BRASS | PRE-SN | | |
| | 0,75-1,5 (18-16) | 1,8-2,5 | 2 | 8516. | 24 | STEEL | NI | | |
| | | | | | 70 | Ni SILVER | - | | |
| | | | | | 00 | BRASS | - | | |
| | | | | | 01 | | PRE-SN | | |
| | | | | | 30 | BRONZE | - | | |
| | | | | | 31 | | PRE-SN | | |

04. CYLINDRICAL Ø 4 TABS



| FIGURE | WIRE SIZE mm ² (AWG) | Ø INSULATION mm | Ø mm | STRIP FORM | | MATERIAL | TREATMENT | MATERIAL WIDTH mm | PARTS COIL |
|--------|------------------------------------|--------------------|---------|------------|-----------|----------|-----------|----------------------|---------------|
| | | | | BASE | EXTENSION | | | | |
| 1 | | | 4 | 7504. | 00 | BRASS | - | 0,45 | 5000 |
| | | | | | 02 | | SN | | |
| | | | | | 04 | | NI | | |
| 3 | 0,5-1 (20-18) | 1,8-2,5 | 4 | 7508. | 00 | - | 0,4 | 8000 | |
| 7500. | | | | 01 | PRE-SN | | | | |
| | | | | 02 | SN | | | | |
| 3 | 1-2,5 (18-14) | 3-4,3 | 4 | 7512. | 00 | - | 0,4 | 7000 | |
| 7502. | | | | 01 | PRE-SN | | | | |
| | | | | 02 | SN | | | | |