GEM CABLE SOLUTIONS

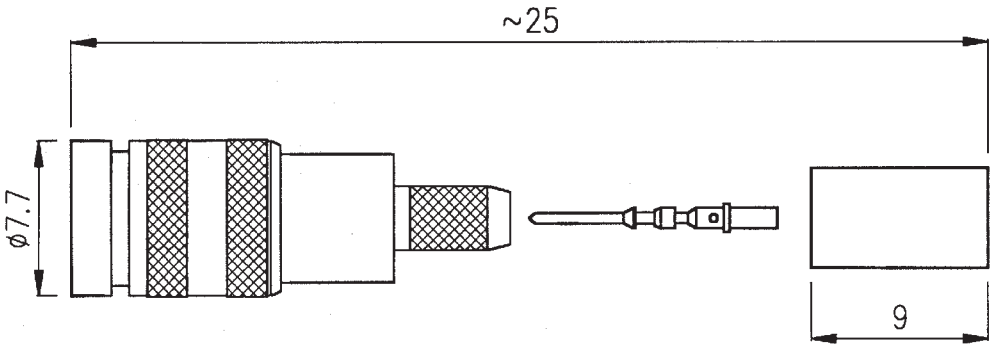
75 ohm – 1.0/2.3 Cable Plug
Straight Crimp plug – Push Pull coupling

SUITABLE FOR CABLE:

- BT3002

ASSEMBLY INSTRUCTIONS:

- BBAI - 1269



Product description

- Straight Plug
- According to CECC 22230 , DIN 47297
- Coupling type : Push - Pull
- Impedance : 75 ohm
- Frequency range : ≤ 2 GHz
- Reflection coefficient : ≤ 0.1
- Mechanical durability : > 500 cycles
- Temperature range : -40 °C to +125 °C
- Cable attachment : - inner contact → indent crimping sel. No. 3
  - outer contact → crimping die closure dimension 4.3 hex

- Parts :

DESCRIPTION	MATERIAL	FINISH
Body & Nut	Brass	Nickel (2 - 3 µm Ni thickness)
Insulator	PTFE	---
Inner male contact	Beryllium copper	Gold (2 - 3 µm Ni +>1 µm Au thickness)
Outer male contact	Beryllium copper	Gold (2 - 3 µm Ni +>1 µm Au thickness)
Ferrule	Cu EPT	Nickel (2 - 3 µm Ni thickness)

All dimensions are in mm.

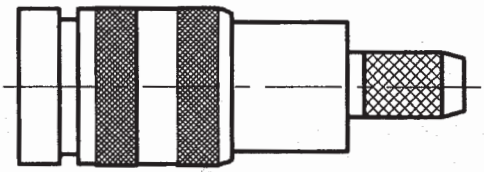
Unit 10, The Dencora Centre, Campfield Road, St. Albans, Herts AL1 5HN, United Kingdom.
T 44 (0)1727 845750 | F 44 (0)1727 838780 | E info@gemcable.co.uk | W gemcable.co.uk

ASSEMBLY INSTRUCTIONS

Connector Type: 1.0/2.3 full-crimp/solder crimp straight plugs

Cable Type: see table

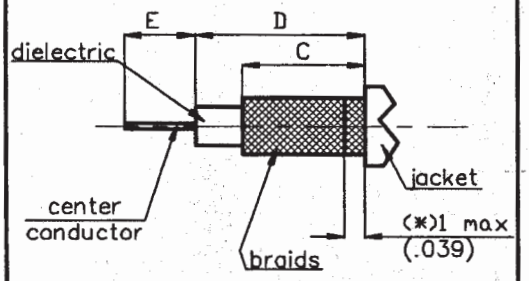
Tools Required: | **Locator:** T4852. | **Crimp Tool:** see table



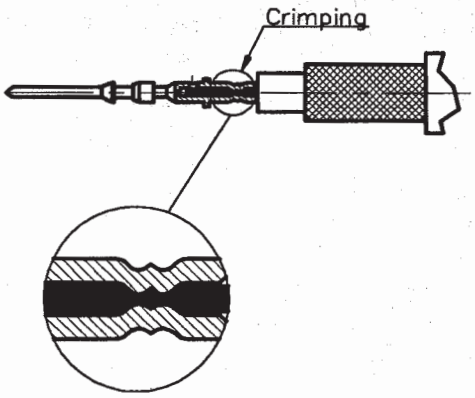
BODY ASSEMBLY

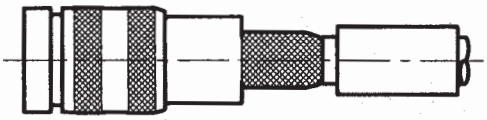
INNER MALE CONTACT

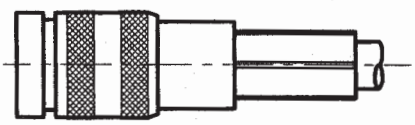
FERRULE



(*)Trim the intermediate foil to the indicated dimension.







1. Prepar cable to the dimensions shown, being careful not to damage the braid, dielectric, foil or inner conductor.

Stripping Detail	C $^{+0.00(+.000)}_{-0.50(-.019)}$	D $^{+0.00(+.000)}_{-0.30(-.012)}$	E $^{+0.09(+.003)}_{-0.20(-.008)}$
A	6.00(.236)	8.30(.327)	3.50(.138)
B	8.00(.315)	10.50(.413)	3.50(.138)

For cables with a foil under the braid, spread braid and trim back to dimensions shown. Except RA 7000 cable where the foil should be left in place over the dielectric.

2. Crimp contact on to inner conductor using a M22520/2-01 (ITT Cannon part number 995-0001-584) set to the selector number shown in the table below, fitted with positioner T4852 (or T4835). Ensure that the conductor is visible through the inspection hole in the side of the contact.
This contact may also be soldered.

3. Place the crimp ferrule over the cable sheath.

4. Fit the connector body onto the cable/conductor so that the rear body slides between the dielectric and braid (gently twisting and rocking the connector body to spread the braids will help). Push home until a click is felt.

5. Slide the crimp ferrule forward, over the braid until it butts against the rear of the connector. Crimp using ITT Cannon crimp tool T1025/- fitted with a suitable die set (see table).

Cable Type	Stripping Detail	Selector Setting	Die Size	Die Part Number
A (0.4/2.4)	B	3	5.4(.213)	K29265
B (0.25/1.45)	A	3	3.25(.128)	K29263
BT2003	B	4	6.8(.268)	T1025/8
BT3002	A	3	4.3(.170)	T1025/36
FLEX 2	A	3	3.25(.128)	K29263
RG 179	A	3	3.25(.128)	K29263
ST212	A	3	3.8(.151)	T1025/9
ST214	B	4	6.8(.268)	T1025/8
TZC75005	B	4	6.5(.255)	T1025/11
RA 7000	B	4	5.18(.204)	T1025/6

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