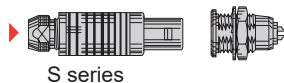


Unipole Coaxial Series

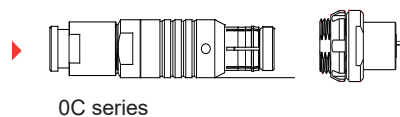
A unipole coaxial connector is generally considered to be an element attached to a cable or mounted on an instrument as an electrical connection or separate component of the transmission line.



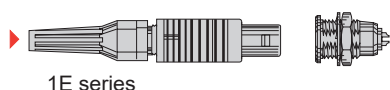
Metal housing models (page 39)



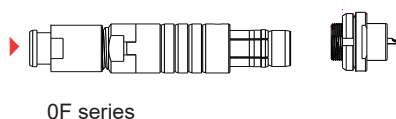
S series



0C series

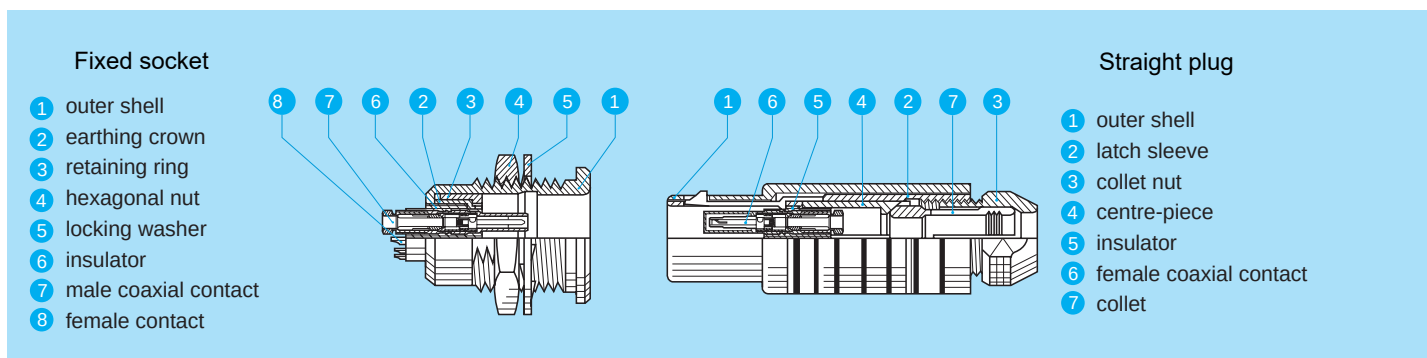


1E series



0F series

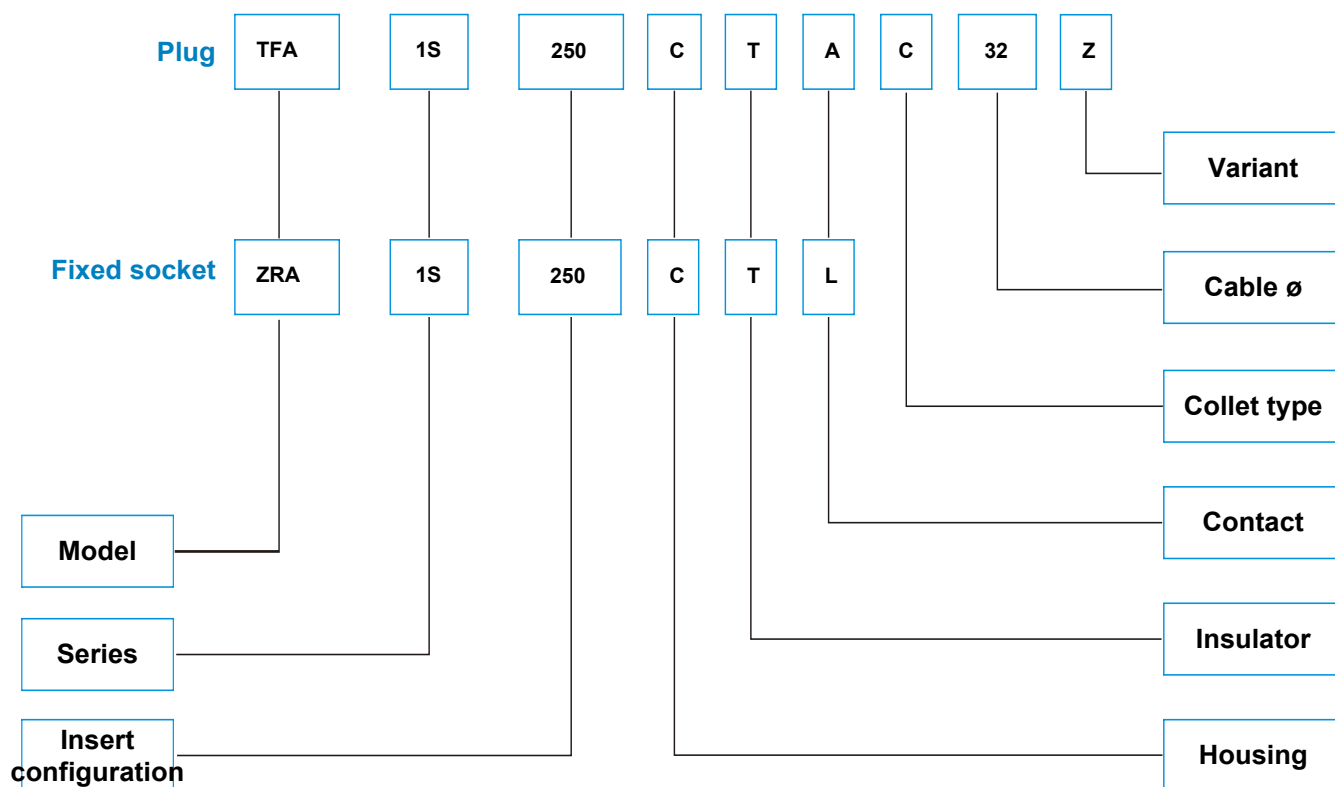
Part Section Showing Internal Components



Unipole Coaxial series connectors have main features as follows:

- Small size, quick insertion and security of the Push-Pull self-latching system
- There are straight type, elbow (90°) type and other different types of plugs;
- High frequency: transmission frequency is 3MHZ $\sim$ 30MHZ;
- Many functions: in addition to the role of the bridge, it also has the function of processing signals, such as filtering, phase adjustment, mixing, attenuation, detection, limiting, etc.
- Low standing wave, low loss: meeting the needs of weapon systems and precision measurement;
- Large capacity, high power: mainly to meet the development needs of the information superhighway.

Unipole Coaxial Series Part Numbering System:



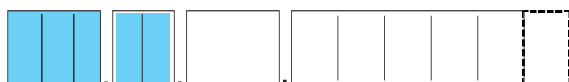
part number example

straight plug with cable collet:

TFA.1S.250.CTAC32Z = straight plug with cable collet, 1S series, coaxial (50 Ω), outer shell in chrome-plated brass, PTFE insulator, male solder contacts, C type collet for a 3.2 mm diameter cable and nut for fitting a bend relief.

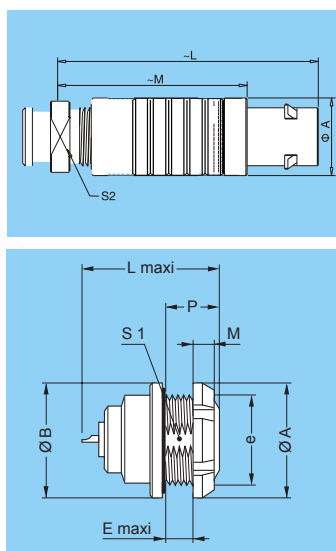
fixed socket:

ZRA.1S.250.CTL = fixed socket, nut fixing, 1S series, coaxial (50 Ω), outer shell in chrome-plated brass, PTFE insulator, female solder contacts.



1E Unipole Coaxial series

Metal Housing Models



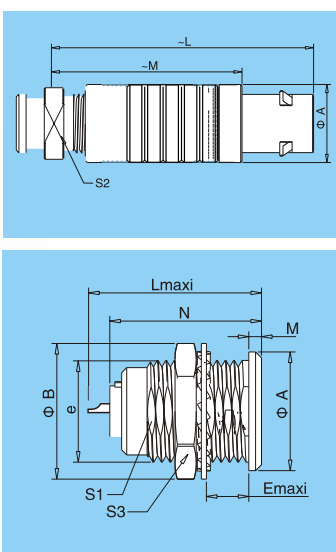
TFA Straight plug, cable collet and nut for fitting a bend relief

Reference	Series	Dimensions (mm)			
		A	L	M	S2
TFA. 1E. 250. CTAC**Z	1E	13	42	28	9

ZRA Fixed socket, nut fixing

Reference	Series	Dimensions (mm)								
		A	B	e	E	L	M	N	P	S1
ZRA. 1E. 250. CTL	1E	20	20	m16x1.0	6.2	27	3.5	25	10	15

S Unipole Coaxial series



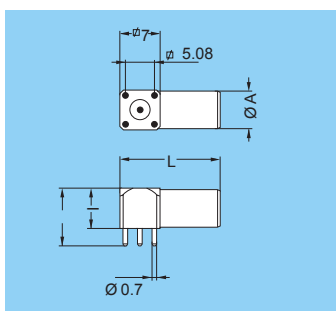
TFA Straight plug, cable collet and nut for fitting a bend relief

Reference	Series	Dimensions (mm)			
		A	L	M	S2
TFA. 00S. ***. CTAC**Z	00S	6.4	26	18	4.5
TFA. 0S. ***. CTAC**Z	0S	8.8	34.5	24.5	6.5
TFA. 1S. ***. CTAC**Z	1S	11.8	42.5	31.5	8.5

ZRA Fixed socket, nut fixing

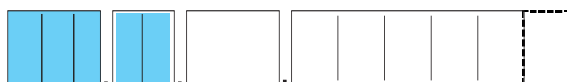
Reference	Series	Dimensions (mm)							
		A	B	e	E	L	M	S1	S2
ZRA. 00S. ***. CTL	00S	8	10.2	m7x0.5	5.5	14.5	1	10	14.
ZRA. 0S. ***. CTL	0S	10	12.4	m9x0.6	7	17.5	1.2	8.2	11
ZRA. 1S. ***. CTL	1S	14	15.8	m12x1.0	7.5	20.2	1.5	10.5	14

ZPL Elbow (90°) socket(00S series)



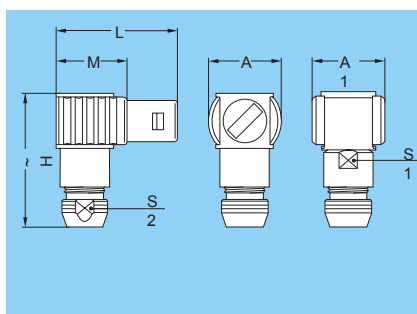
ZPL Elbow (90°) socket for printed circuit with two nuts,

Reference	Series	Dimensions (mm)		
		A	H	I
ZRA. 00S. ***. CTL	00S	6.5	10	7



Metal Housing Models

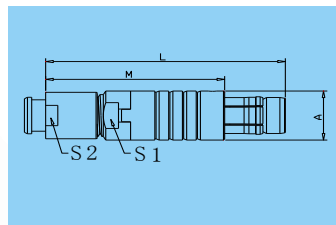
TLA Elbow (90°) plug(1S,2S series)



TLA Elbow (90°) plug, cable collet

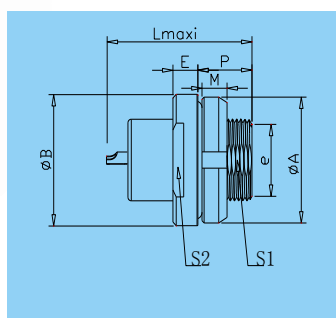
Reference	Series	Dimensions (mm)						
		A	A1	H	L	M	S1	S2
TLA. 1S. ***, CTAC52	1S	16	16	28.5	26.5	15.5	10	8.5
TLA. 2S. ***, CTAC72	2S	20	20	37	31	19	13	11

0F Unipole Coaxial series



TGG Straight plug, cable collet and nut for fitting a bend relief

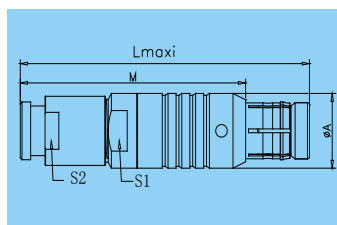
Reference	Series	Dimensions (mm)			
		A	L	M	S1
TGG. 0F. ***, CTAC**Z	0F	9	36	26	7



MEG Fixed socket, nut fixing

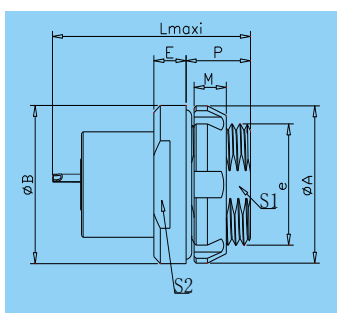
Reference	Series	Dimensions (mm)								
		A	B	e	E	L	M	P	S1	S2
MEG. 0F. ***, CTL	0F	11.5	13	m9x1.0	3	21	3	6.5	8.2	12

0C Unipole Coaxial series



TGG Straight plug, cable collet and nut for fitting a bend relief

Reference	Series	Dimensions (mm)			
		A	L	M	S1
TGG. 0C. ***, CTAC**Z	0C	9	36	26	7



MEG Fixed socket, nut fixing

Reference	Series	Dimensions (mm)								
		A	B	e	E	L	M	P	S1	S2
MEG. 0C. ***, CTL	0C	11.5	13	m9x1.0	3	21	3	6.5	8.2	12

Series	Reference	Contact Type	Test voltage	Test voltage	Rated current	contact diameter (ø A)
00S	113	solder	800V	1200V	8A	1.3mm
	250	solder	2100V	3000V	4A	0.7mm
0S , 0C , 0F	116	solder	1500V	2100V	12A	1.6mm
	250	solder	3000V	4200V	6A	0.9mm
1S	120	solder	1700V	2400V	18A	2.0mm
	250	solder	3000V	4200V	12A	1.6mm
	275	solder	2400V	3300V	10A	1.3mm
1E	250	solder	3000V	4200V	12A	1.6mm
2S	250	solder	3000V	4200V	40A	1.6mm

➤➤➤ Housings (Unipole Coaxial series)

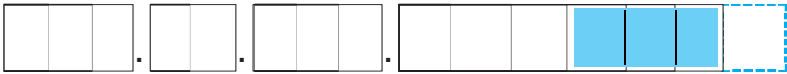
[illegible]

Ref.	Outer shell and collet nut		Latch sleeve + earthing crown		Other metallic components		Note
	Material	Surf. treatment	Material	Surf. treatment	Material	Surf. treatment	
C	Brass	chrome	brass/bronze	nickel	Brass	nickel	First choice alternative
N	Brass	chrome	brass/bronze	nickel	Brass	nickel	
H	Brass	black chrome	brass/bronze	nickel	Brass	nickel	
S	Stainless steel 304	anodized	brass/bronze	-	Brass	nickel	
L	Stainless steel 316L	anodized	Stainless steel 316L	-	Stainless steel 316L	-	
T	Brass	satin nickel	brass/bronze	nickel	Brass	nickel	
G	Brass	brown and black	brass/bronze	nickel	Brass	nickel	
F	Brass	High phosphorus chemical nickel	brass/bronze	nickel	Brass	nickel	
Z	Aluminium alloy	High phosphorus chemical nickel	brass/bronze	nickel	Brass	nickel	
Y	Brass	golden yellow	brass/bronze	nickel	Brass	nickel	

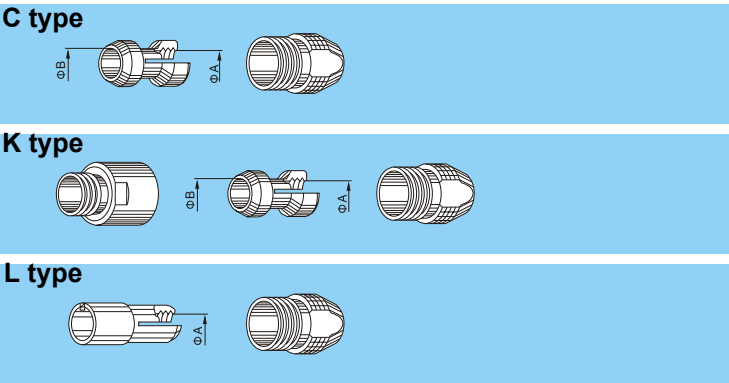
➤➤➤ Insulators (Unipole Coaxial series)

[illegible]

Ref.	Material	Contact type	Note
T	Teflon	Solder or print	First choice alternative
L	PPS	Solder or print	

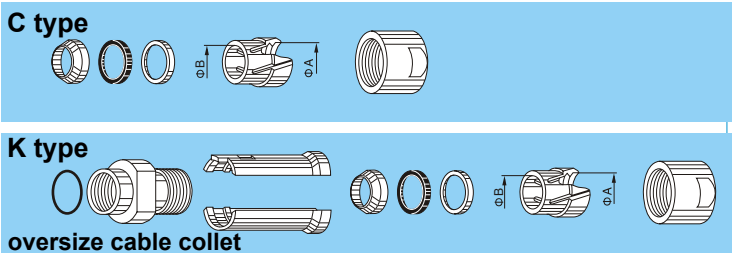


C, K and L type collets for S series



Reference			Collet ø		Cable ø	
Type	Code		Φ A	Φ B	max.	min.
00	C 27		2.7	–	2.6	2.2
	K 37		3.7	–	3.6	3.0
0S	C 27		2.7	–	2.6	2.2
	C 32		3.2	–	3.1	2.7
	C 42		4.2	3.7	4.1	3.3
	K 47		4.7	–	4.6	3.8
1S	C 32		3.2	–	3.1	2.6
	C 42		4.2	–	4.1	3.3
	C 47		4.7	–	4.6	3.8
	C 52		5.2	–	5.1	4.3

C, K type collets for E series



1E

Reference		Collet ø		Cable ø	
Type	Code	Ø A	Ø B	max.	min.
C	15	1.6	-	1.5	1.3
C	20	2.2	-	2.0	1.6
C	25	3.2	-	2.5	2.1
C	30	3.2	-	3.0	2.6
C	35	4.2	-	3.5	3.1
C	40	4.2	-	4.0	3.6
C	45	5.2	-	4.5	4.1
C	50	5.2	-	5.0	4.6
C	55	6.2	6.2	5.5	5.1
C	60	6.2	6.2	6.0	5.6
C	65	7.2	6.7	6.5	6.1
K	70	7.2	-	7.0	6.6
K	75	8.2	8.2	7.5	7.1
K	80	8.2	8.2	8.0	7.6
K	85	9.2	8.6	8.5	8.1

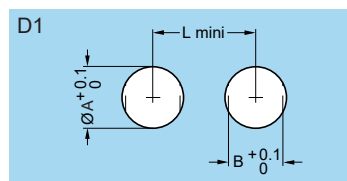
[illegible]

				Need to be ordered
	Ref.	Type	Code	Need to be ordered separately (see page)
00	Z	C	15 to 31	GMA.00.0..D-
		K	37 to 42	GMA.0B.0..D-
		L	17 to 31	GMA.00.0..D-
0S	Z	C	27 to 42	GMA.0B.0..D-
		K	47 to 62	GMA.1B.0..D-
		L	27 to 42	GMA.0B.0..D-
1S	Z	C	27 to 62	GMA.1B.0..D-
		K	72 to 82	GMA.2B.0..D-
		L	27 to 62	GMA.1B.0..D-
2S	Z	C	42 to 82	GMA.2B.0..D-
		K	92 to 10	GMA.3B.0..D-
		L	42 to 82	GMA.2B.0..D-

1E	Z	Collet		Need to be ordered
		Type	Code	
		C	15 to 65	Need to be ordered separately (see page 10)
		K	70 to 85	

Note: all dimensions are in millimetres.

S Series



series	D1		
	ØA	B	L
00	7.1	6.4	12.5
0S	9.1	8.3	14.5
1S	12.1	10.6	18.5
2S	15.1	13.6	22.5

Cut-out types

Model	Type
ZRA	D1
ZRD	D1

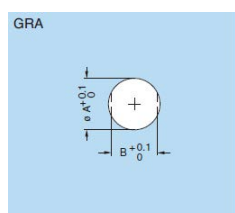
Mounting nut torque

series	Torque (Nm)
	Metal shell
00	1.0
0S	2.5
1S	4.5
2S	6.0

Note: when using the tapered washer a round hole apply 00: ø 7.6 mm / 0S: ø 9.6 mm / 1S: ø 12.6 mm / 2S: ø 15.7 mm

Note: these values apply when metal shell are mounted with insulating washer.

Panel cut-out for mounting with insulating washer



series	D i m .(mm)	
	ØA	B
00	8.9	8.1
0S	10.9	10.1
1S	13.9	12.3
2S	18.0	16.3

E Series

series	D1		
	ØA	B	L
1E	16.1	14.6	22.5

Cut-out types

Model	Type
ZRA	D1

Mounting nut torque

series	Torque (Nm)
1E	7

1 N = 0.102 kg