IRIS Certification
Registration No.: UK0001

Mil-C-5015 Types

ABCIRH

Halogen Free Bayonet Lock Connector Series

ab Connectors
A Subsidiary of TT electronics plc

TT electronics
AB Connectors Limited

AB Connectors

Company Profile

Operating from the principal site in South Wales, U.K., AB Connectors Limited, a subsidiary of TT electronics plc., is one of the recognised market leaders in design, test and manufacture of harsh environment interconnection systems, bespoke harness assemblies and equipment sub-units.

With a satellite assembly facility in North Carolina, USA, and a co-ordinated global sales and distribution network, AB Connectors Ltd. offers an unrivalled service to both engineers and buyers alike.

Through a commitment to a structured new product introduction process, AB Connectors is continuing investment in research and development of new materials and processes, surface treatments and the very latest manufacturing technology and techniques to ensure the products meet the most exacting standards encountered in the modern Military, Mass Transportation and Industrial market places.

Quality system approvals include BS/EN/ISO 9001 along with product approvals to BS9000, IECQ and CECC. As a result of these qualifications, AB Connectors have been awarded several major customer approvals and accreditations.

AB Connectors total commitment to providing customers with high levels of service, cost effectiveness, quality and innovation solutions in interconnection products, make it the ideal first choice supply partner.

ABCIRH Halogen Free Connectors

The **AB C**onnectors **I**ndustrial **R**ange (H - halogen free) is based on the products covered by the American MilC-5015 and the German VG95234 specifications. These connectors are used extensively throughout the mass transportation, entertainment and general industrial markets.

ABCIRH connectors are interchangeable with all corresponding types and feature contact arrangements from Mil-STD-1651. Positive coupling is indicated by an audible 'snap' and by the alignment of three coloured dots on the receptacle and on the coupling nut of the plug connector.

To enhance service life in applications where the connectors are likely to experience severe vibration or repeated mating, ABCIRH connectors feature stainless steel anti-wear pins at the critical point of the receptacle coupling ramps.

In response to safety and environmental requirements, ABCIRH connectors have as standard, low fire hazard/halogen free rubber insulators which have been independently tested and shown to conform to the requirements of French specification NF F 16-101 classification 12 F1 and to British specification BS 6853 app. A clause A.9 and app. B clause B.5.1. Connector shells can also be supplied with cadmium free plating finishes.

Protection against water and dust ingress is provided by the use of a dynamic seal ring under the coupling nut and by an individual wire seal grommet at the rear of the connector. A wavy washer assembly, also under the coupling nut and a comprehensive range of back shells and accessories, ensure excellent continuity and shielding characteristics between mated connectors where the effects of EMI and RFI must be eliminated.

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Standard Data

Materials:

Connector metalwork:	Aluminium alloy
Insulator, grommet & bushing:	Low Fire Hazard, rubber
Contacts:	Copper alloy
Accessory hardware:	Aluminium alloy

Standard Plating Finishes:

Aluminium parts:	Olive drab chromate over zinc cobalt or Olive drab chromate over cadmium plate.*
Contacts:	Silver or Gold.

* Consult factory for alternative finishes.

Environmental Ratings:

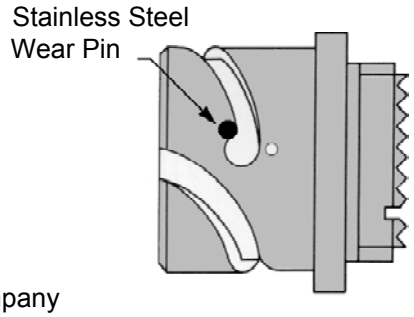
Temperature range:	-55^{0}C to + 200^{0}C
Shock severity:	75g
Vibration:	5-500 Hz long endurance. 30 hour test at 10g.
Acceleration:	50g.

Mechanical Features:

Coupling:	3 pin bayonet.
Number of contacts:	2 to 85
Contact termination:	Crimp or p.c. tail.
Sealing:	Dynamic sealing ring & individual wire seal grommet. When mated and used with appropriate sealed backshell, IP67 rated.
Matings:	2000.

ABCIRH Connectors:

ABCIRH connectors feature stainless steel pins at critical wear points of the cam tracks of all receptacle shells, to protect from wear inflicted by continuous mating / de-mating and vibration.



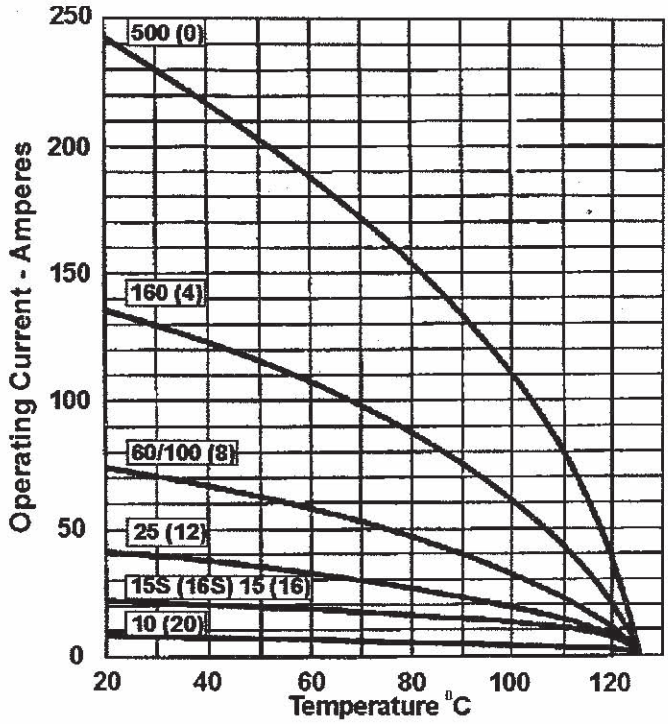
Note.
The company reserves the right and may change or vary specification without prior written notice.

Contact Current Ratings

Contact Size AWG	Contact Size Metric	*MaximumCurrent @ 20° C (68° F)	*Rated Current @ 85° C (185° F)	**De-rated Current @ 85° C (185° F)
16/16S	15/15S	22A	13A	10A
12	25	41A	23A	20A
8	100	73A	46A	42A
4	160	135A	80A	75A
0	500	245A	150A	135A

* Single contact in isolation ** Grouped contacts

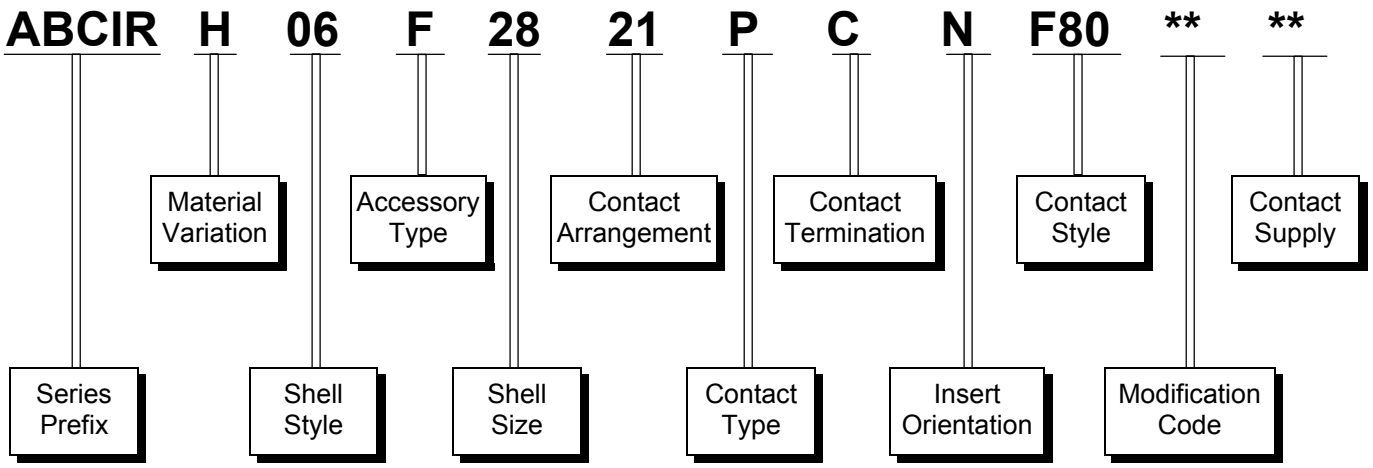
Contact Current De-Rating Curve



Contact Arrangement Service Ratings

Service Rating	Sea Level Inst.	Sea Level A	Sea Level D	Sea Level E
Working Voltage DC or AC Peak	350 V	700 V	1,250 V	1,750 V
Voltage Proof AC RMS	1,000 V	2,000 V	2,800 V	3,500 V
Minimum Flashover AC RMS	1,400 V	2,800 V	3,600 V	4,500 V

ABCIRH Connectors
Part Number Explanation



Series: **ABCIR**

Material variation: **H** - Low fire hazard

Shell style:

- **00** - 4 hole square flange receptacle, front panel mounted.
- **01** - Cable mounted receptacle.
- **03** - 4 hole square flange receptacle, rear panel mounted.
- **06** - Plug. No RFI grounding.
- **P06** - Plug, rubber covered coupling nut. No RFI grounding.
- **SE06** - Plug with RFI grounding.
- **07** - Through bulkhead receptacle.
- **08** - Plug with 90^0 angled outlet. No RFI grounding
- **SE08** - Plug with 90^0 angled outlet. RFI grounding.
- **09** - Single hole mounted receptacle.

Accessory type: See relevent catalogue pages.

Shell size: **10SL** to **49**.

Contact arrangement: See pages 5 to 17.

Contact type: **P** pin, **S** socket, **H** pin/socket assembly for bulkhead connector style 07.

Contact termination: **C** crimp removeable, (except for style **07** which are bonded, non-removeable, no designation in part number).

Insert orientation: **N** normal. **WXYZ** alternative insert positions. See pages 20 & 21.

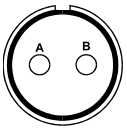
Contact style: **F80**

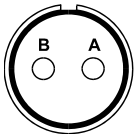
Modification code: Please consult factory.

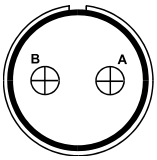
Contact supply: Silver plated contacts, no designation.
P3 gold plated.
V0 connector supplied without contacts.

F80 Contact Arrangements

2 Contacts

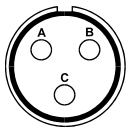


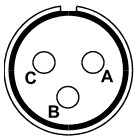


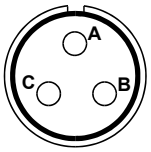


Contact Arrangement	10SL-4	14S-9	18-3
No. Contacts x Size AWG (Metric)	2 x #16S (15S)	2 x #16S (15S)	2 x #12 (25)
Service Rating	A	A	D

3 Contacts

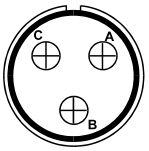


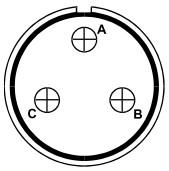


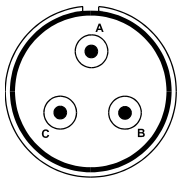


Contact Arrangement	10SL-3	14S-7	16S-5
No. Contacts x Size AWG (Metric)	3 x #16S (15S)	3 x #16S (15S)	3 x #16S (15S)
Service Rating	A	A	A

3 Contacts





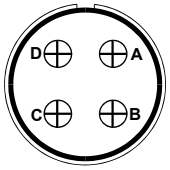


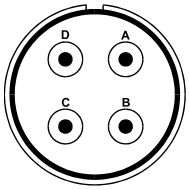
Contact Arrangement	16-10	20-3	22-2
No. Contacts x Size AWG (Metric)	3 x #12 (25)	3 x #12 (25)	3 x #8 (100)
Service Rating	A	D	D

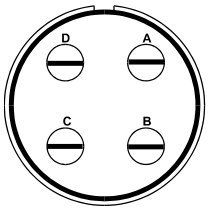
15/15S (16/16S) 25 (12) 100 (8) 160 (4) 500 (0)

F80 Contact Arrangements

4 Contacts

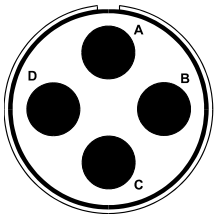


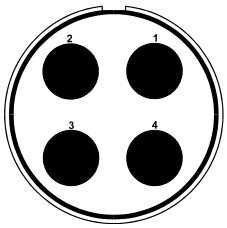


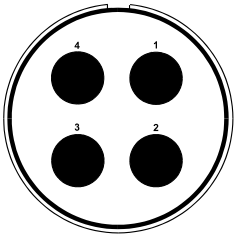


Contact Arrangement	20-4	24-22	32-17
No. Contacts x Size AWG (Metric)	4 x #12 (25)	4 x #8 (100)	4 x #4 (160)
Service Rating	D	D	D

4 Contacts

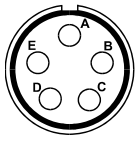


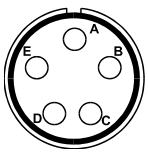


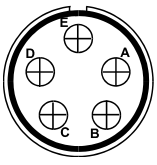


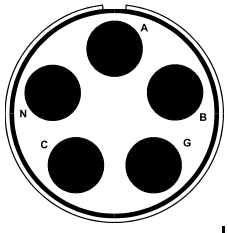
Contact Arrangement	36-5	40-E4	49-A4
No. Contacts x Size AWG (Metric)	4 x #0 (500)	4 x #0 (500)	4 x #0 (500)
Service Rating	A	E	D

5 Contacts









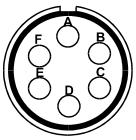
Contact Arrangement	14S-5	16S-8	18-11	40-A5
No. Contacts x Size AWG (Metric)	5 x #16S (15S)	5 x #16S (15S)	5 x #12 (25)	5 x#0 (500)
Service Rating	Inst.	A	A	A

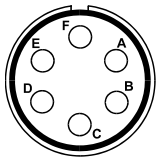
Contact legend

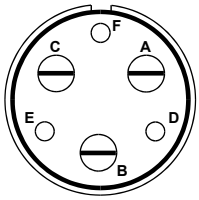
15/15S (16/16S)	25 (12)	100 (8)	160 (4)	500 (0)

F80 Contact Arrangements

6 Contacts

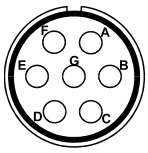


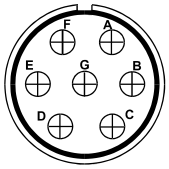


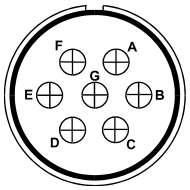


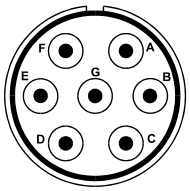
Contact Arrangement	14S-6	18-12	28-22
No. Contacts x Size AWG (Metric)	6 # 16S (15S)	6 # 16 (15)	3 # 16 (15), 3 # 4 (160)
Service Rating	Inst.	A	D

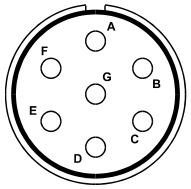
7 Contacts





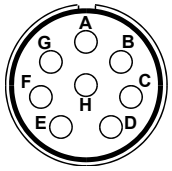


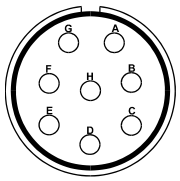


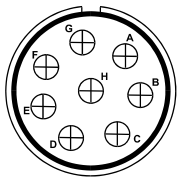


Contact Arrangement	16S-1	20-15	24-2	24-10	24-27
No. Contacts x Size AWG (Metric)	7 # 16S (15S)	7 # 12 (25)	7 # 12 (25)	7 # 8 (100)	7 # 16 (15)
Service Rating	A	A	D	A	E

8 Contacts







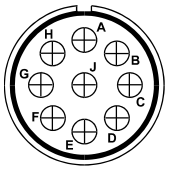
Contact Arrangement	20-7	22-18	22-23
No. Contacts x Size AWG (Metric)	8 x #16 (15)	8 x #16 (15)	8 x #12 (25)
Service Rating	A,B,H,G = D, Balance = A	A,B,F,G,H = D, Balance = A	H = D, Balance = A

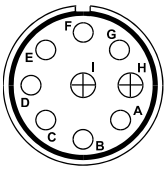
Contact legend

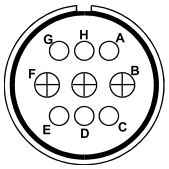
15/15S (16/16S) | 25 (12) | 100 (8) | 160 (4) | 500 (0)

F80 Contact Arrangements

9 Contacts

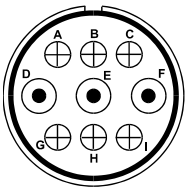


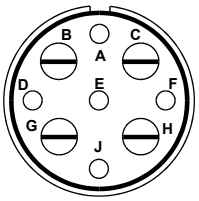




Contact Arrangement	20-A9	20-16	20-18
No.Contacts x		7 x # 6 (15)	6 x #16 (15)
Size AWG (Metric)	9 x #12 (25)	2 x #12 (25)	3 x #12 (25)
Service Rating	J = D. Balance = Inst.	A	A

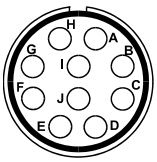
9 Contacts

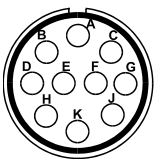


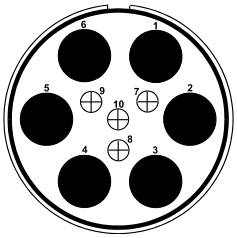


Contact Arrangement	24-11	28-A9
No. Contacts x	6 x #12 (25)	4 x #4 (160)
Size AWG (Metric)	3 x #8 (100)	5 x #16 (15)
Service Rating	A	A

10 Contacts

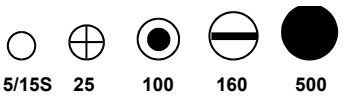






Contact Arrangement	18-1	18-19	49-10
No. Contacts x			4 x #12 (25)
Size AWG (Metric)	10 x #16 (15)	10 x #16 (15)	6 x # 0 (500)
Service Rating	B,C,F,G = A. Balance = Inst.	A	D

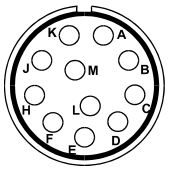
Contact legend



15/15S (16/16S)	25 (12)	100 (8)	160 (4)	500 (0)

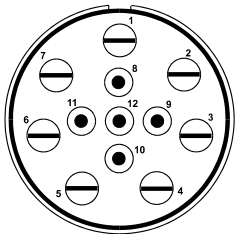
F80 Contact Arrangements

11 Contacts



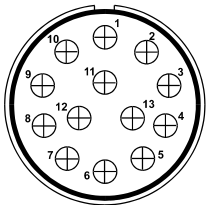
Contact Arrangement	20-33
No. Contacts x Size AWG (Metric)	11 x #16 (15)
Service Rating	A

12 Contacts



Contact Arrangement	49-A12
No. Contacts x	5 x #8 (100)
Size AWG (Metric)	7 x #4 (160)
Service Rating	D

13 Contacts



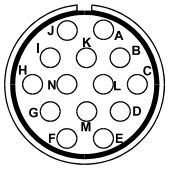
Contact Arrangement	32-A13
No. contacts x Size AWG (Metric)	13 x #12 (25)
Service Rating	D

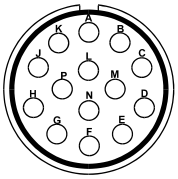
Contact legend

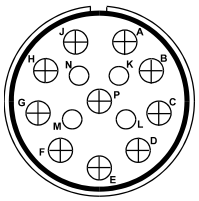
15/15S (16/16S)	25 (12)	100 (8)	160 (4)	500 (0)

F80 Contact Arrangements

14 Contacts

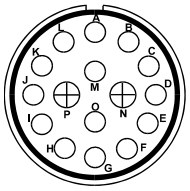






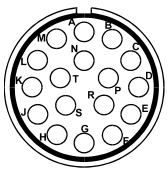
Contact Arrangement	20-27	22-19	28-20
No. Contacts x Size AWG (Metric)	14 x #16 (15)	14 x #16 (15)	4 x #16 (15) 10 x #12 (25)
Service Rating	A	A	A

16 Contacts



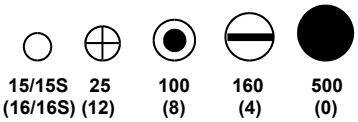
Contact Arrangement	24-7
No. Contacts x Size AWG (Metric)	14 x #16 (15) 2 x #12 (25)
Service Rating	A

17 Contacts



Contact Arrangement	20-29
No. Contacts x Size AWG (Metric)	17 x #16 (15)
Service Rating	A

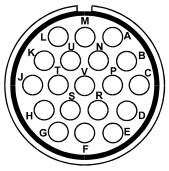
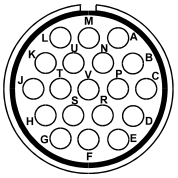
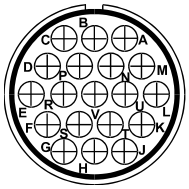
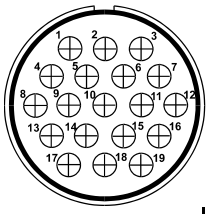
Contact legend



15/15S (16/16S)	25 (12)	100 (8)	160 (4)	500 (0)

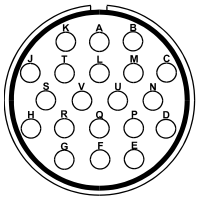
F80 Contact Arrangements

19 Contacts

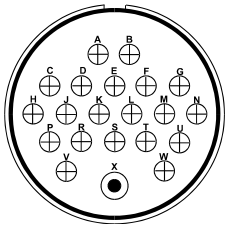
Contact Arrangement	20-A48	22-14	24-67	32-76
No. Contacts x Size AWG (Metric)	19 x #16 (15)	19 x #16 (15)	19 x #12 (25)	19 x #12 (25)
Service Rating	Inst.	A	A	A

20 Contacts



Contact Arrangement	28-16
No. Contacts x Size AWG (Metric)	20 x #16 (15)
Service Rating	A

21 Contacts

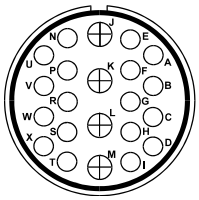


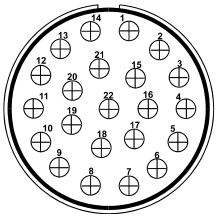
Contact Arrangement	40-D21
No. Contacts x Size AWG (Metric)	20 x #12 (25) 1 x #8 (100)
Service Rating	D

Contact legend

F80 Contact Arrangements

22 Contacts



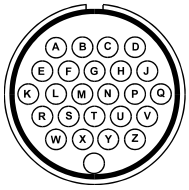


Contact Arrangement	28-11	36-A22
No. Contacts x Size AWG (Metric)	18 # 16 (15) 4 # 12 (25)	22 # 12 (25)
Service Rating	A	D

24 Contacts

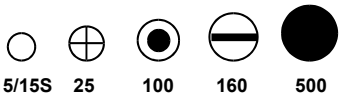
Contact Arrangement	24-28
No. Contacts x Size AWG (Metric)	24 x #16 (15)
Service Rating	Inst.

25 Contacts



Contact Arrangement	24-A25
No. Contacts x Size AWG (Metric)	25 x #16 (15)
Service Rating	A

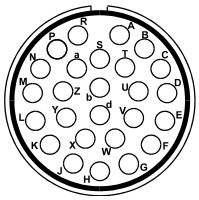
Contact legend

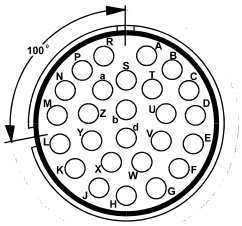


15/15S (16/16S)	25 (12)	100 (8)	160 (4)	500 (0)

F80 Contact Arrangements

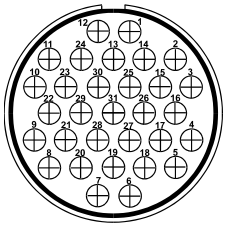
26 Contacts





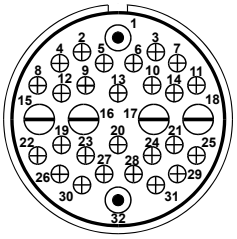
Contact Arrangement	28-12	28-13
No. Contacts x Size AWG (Metric)	26 x #16 (15)	28-12 Rotated by 100^0 26 x #16 (15)
Service Rating	A	A

31 Contacts



Contact Arrangement	40-A31
No. Contacts x Size AWG (Metric)	31 x #12 (25)
Service Rating	D

32 Contacts

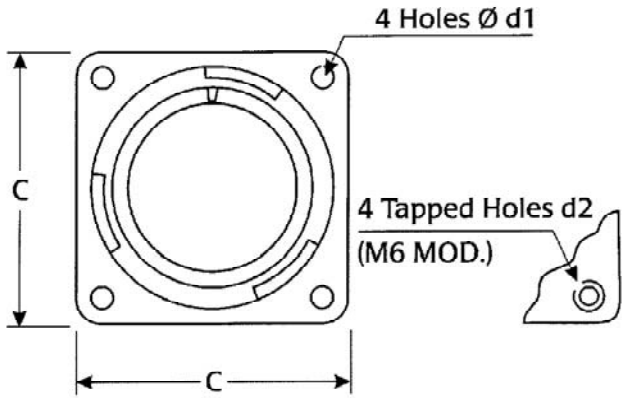


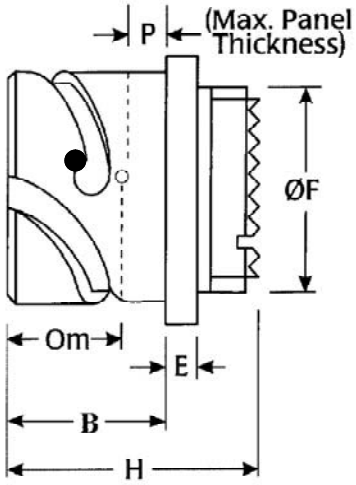
Contact Arrangement	49-D32
No. Contacts x Size AWG (Metric)	26 x #12 (25), 2 x #8 (100) 4 x Coax
Service Rating	D

Contact legend

15/15S (16/16S)	25 (12)	100 (8)	160 (4)	500 (0)

Square Flange Receptacle
Rear Mounting (With Accessory Thread)
AB Style: ABCIRH03T/ABCIRH03T...M6





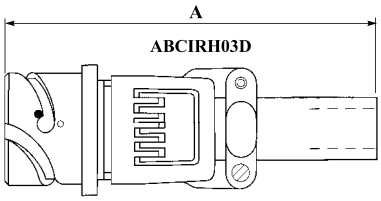
Note. Maximum panel thickness when using cap head screws. When using countersunk screws, maximum panel thickness = 7.5 mm.

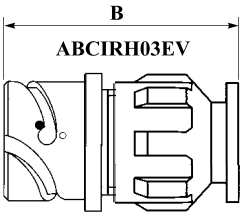
See page 82 for panel mounting details.

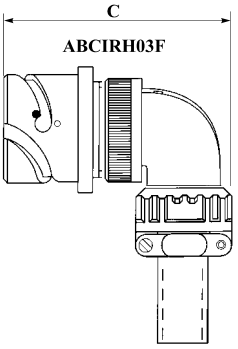
Metric
Imperial

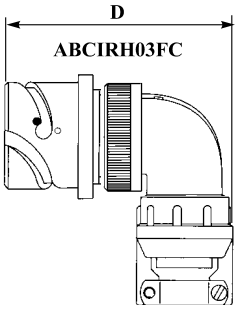
Shell Size	B Max	C Max	d1 +0,2 -0 +0.008-0	d2 Thread	E Max	F Thread Dia. Class 2A	H Max	P See Note	Om Min Overlap Mated
10SL	18,60 **0.732**	25,70 **1.012**	3,20 **0.126**	M4 0.7-6H	3,00 **0.118**	$^{5}/_{8}$" x 24 UNEF	30,0 **1.19**	3,30 **0.130**	11,10 **0.437**
14S	18,60 **0.732**	30,30 **1.193**	3,20 **0.126**	M4 0.7-6H	3,40 **0.134**	$^{3}/_{4}$" x 20 UNEF	30,0 **1.19**	3,30 **0.130**	11,10 **0.437**
16S	18,60 **0.732**	32,80 **1.291**	3,20 **0.126**	M4 0.7-6H	3,40 **0.134**	$^{7}/_{8}$" x 20 UNEF	30,0 **1.19**	3,30 **0.130**	11,10 **0.437**
16	21,90 **0.862**	32,80 **1.291**	3,20 **0.126**	M4 0.7-6H	3,40 **0.134**	$^{7}/_{8}$" x 20 UNEF	37,0 **1.46**	3,30 **0.130**	15,85 **0.624**
18	23,45 **0.923**	35,30 **1.390**	3,20 **0.126**	M4 0.7-6H	4,20 **0.165**	1" x 20 UNEF	37,0 **1.46**	3,30 **0.130**	15,85 **0.624**
20	23,45 **0.923**	38,30 **1.508**	3,20 **0.126**	M4 0.7-6H	4,20 **0.165**	$1^{1}/_{8}$" x 18 UNEF	37,0 **1.46**	3,30 **0.130**	15,85 **0.624**
22	23,45 **0.923**	41,30 **1.626**	3,20 **0.126**	M4 0.7-6H	4,20 **0.165**	$1^{1}/_{4}$" x 18 UNEF	37,0 **1.46**	3,30 **0.130**	15,75 **0.620**
24	23,45 **0.923**	44,80 **1.764**	3,70 **0.146**	M4 0.7-6H	4,20 **0.165**	$1^{3}/_{8}$" x 18 UNEF	37,0 **1.46**	3,30 **0.130**	15,75 **0.620**
28	24,45 **0.963**	51,10 **2.012**	3,70 **0.146**	M5 0.8-6H	4,20 **0.165**	$1^{5}/_{8}$" x 18 UNEF	37,0 **1.46**	3,30 **0.130**	15,75 **0.620**
32	24,45 **0.963**	57,30 **2.256**	4,30 **0.169**	M5 0.8-6H	4,20 **0.165**	$1^{7}/_{8}$" x 16 UN	37,0 **1.46**	3,30 **0.130**	15,75 **0.620**
36	24,45 **0.963**	63,80 **2.512**	4,30 **0.169**	M5 0.8-6H	4,20 **0.165**	$2^{1}/_{16}$" x 16 UNS	37,0 **1.46**	3,30 **0.130**	15,75 **0.620**
40	24,45 **0.963**	70,20 **2.764**	4,30 **0.169**	M5 0.8-6H	4,20 **0.165**	$2^{5}/_{16}$" x 16 UN	38,0 **1.50**	3,30 **0.130**	15,75 **0.620**

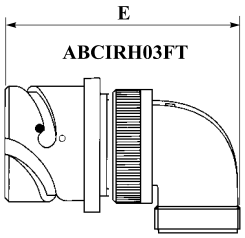
ABCIRH '03' Style
Connector & Accessory

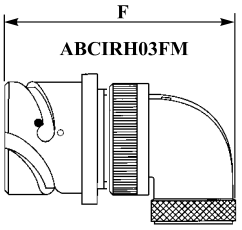


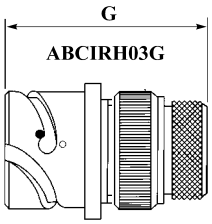


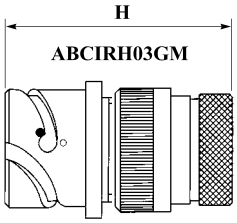


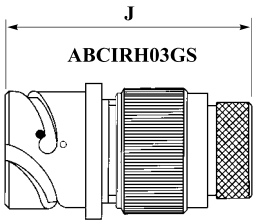










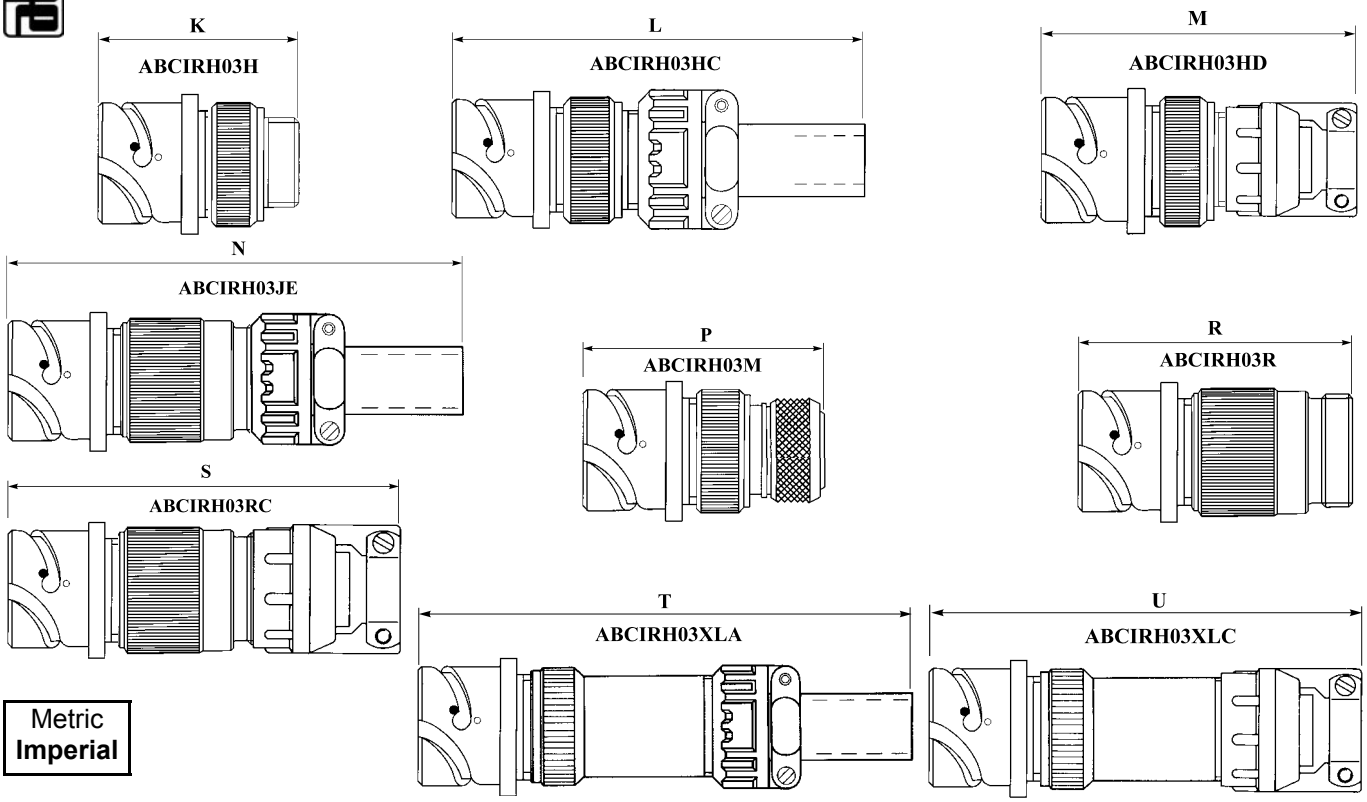


Metric
Imperial

Shell Size	A	B	C	D	E	F	G	H	J
10SL	109,00 **4.291**	44,00 **1.732**	58,00 **2.283**	58,00 **2.283**	55,00 **2.165**	55,00 **2.165**	50,00 **1.968**	54,00 **2.126**	*
14S	108,00 **4.252**	44,00 **1.732**	61,00 **2.402**	61,00 **2.402**	57,00 **2.244**	57,00 **2.244**	50,00 **1.968**	54,00 **2.126**	*
16S	105,00 **4.134**	44,00 **1.732**	65,00 **2.559**	65,00 **2.559**	61,00 **2.402**	61,00 **2.402**	50,00 **1.968**	54,00 **2.126**	*
16	117,00 **4.606**	60,00 **2.362**	77,00 **3.031**	77,00 **3.031**	73,00 **2.874**	73,00 **2.874**	63,00 **2.480**	70,00 **2.756**	*
18	121,00 **4.764**	60,00 **2.362**	82,00 **3.228**	82,00 **3.228**	78,00 **3.071**	78,00 **3.071**	65,00 **2.559**	70,00 **2.756**	80,00 **3.150**
20	120,00 **4.724**	60,00 **2.362**	87,00 **3.425**	88,00 **3.465**	83,00 **3.268**	83,00 **3.268**	66,00 **2.598**	74,00 **2.913**	86,00 **3.386**
22	120,00 **4.724**	60,00 **2.362**	87,00 **3.425**	88,00 **3.465**	83,00 **3.268**	83,00 **3.268**	68,00 **2.677**	74,00 **2.913**	86,00 **3.386**
24	114,00 **4.488**	60,00 **2.362**	95,00 **3.740**	95,00 **3.740**	91,00 **3.583**	91,00 **3.583**	66,00 **2.598**	74,00 **2.913**	86,00 **3.386**
28	124,00 **4.882**	60,00 **2.362**	94,00 **3.700**	94,00 **3.700**	90,00 **3.543**	90,00 **3.543**	68,00 **2.677**	73,00 **2.874**	87,00 **3.425**
32	121,00 **4.764**	60,00 **2.362**	104,00 **4.094**	107,00 **4.213**	100,00 **3.937**	100,00 **3.937**	67,00 **2.638**	73,00 **2.874**	86,00 **3.386**
36	118,00 **4.646**	60,00 **2.362**	110,00 **4.331**	111,00 **4.370**	106,00 **4.173**	106,00 **4.173**	72,00 **2.835**	74,00 **2.913**	88,00 **3.465**
40	NA	60,00 **2.362**	117,00 **4.606**	117,00 **4.606**	113,00 **4.449**	113,00 **4.449**	74,00 **2.913**	74,00 **2.913**	88,00 **3.465**

* Please consult factory for availability.

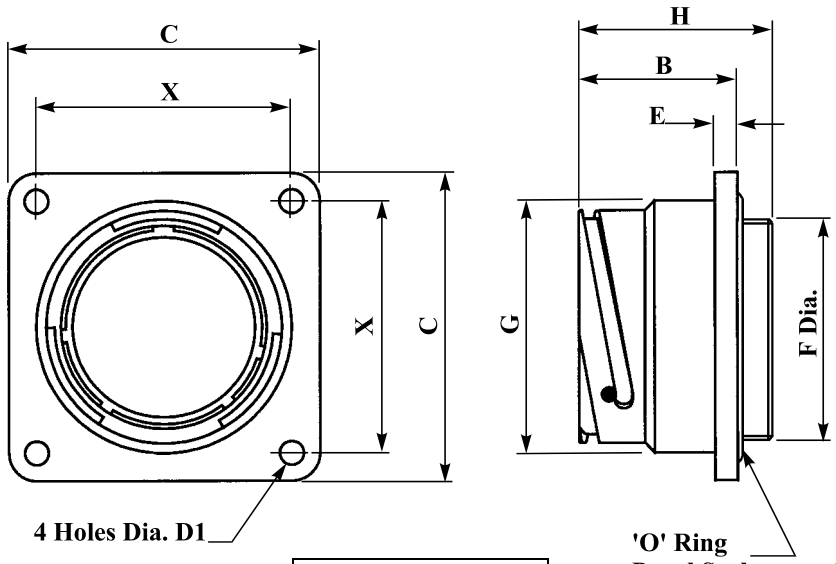
ABCIRH '03' Style
Connector & Accessory cont.



Metric
Imperial

Shell Size	K	L	M	N	P	R	S	T	U
10SL	50,00 **1.969**	123,00 **4.843**	81,00 **3.189**	122,00 **4.803**	54,00 **2.126**	52,00 **2.047**	83,00 **3.268**	141,00 **5.551**	102,00 **4.016**
14S	50,00 **1.969**	119,00 **4.685**	81,00 **3.189**	118,00 **4.646**	56,00 **2.205**	52,00 **2.047**	83,00 **3.268**	138,00 **5.433**	102,00 **4.016**
16S	50,00 **1.969**	121,00 **4.764**	81,00 **3.189**	115,00 **4.528**	56,00 **2.205**	52,00 **2.047**	83,00 **3.268**	135,00 **5.315**	102,00 **4.016**
16	63,00 **2.480**	129,00 **5.079**	94,00 **3.700**	129,00 **5.079**	69,00 **2.716**	66,00 **2.598**	97,00 **3.819**	157,00 **6.181**	126,00 **4.961**
18	65,00 **2.559**	130,00 **5.118**	97,00 **3.819**	132,00 **5.197**	72,00 **2.835**	72,00 **2.835**	104,00 **4.094**	154,00 **6.063**	126,00 **4.961**
20	65,00 **2.559**	126,00 **4.961**	97,00 **3.819**	129,00 **5.079**	72,00 **2.835**	72,00 **2.835**	104,00 **4.094**	151,00 **5.945**	126,00 **4.961**
22	65,00 **2.559**	126,00 **4.961**	97,00 **3.819**	129,00 **5.079**	72,00 **2.835**	72,00 **2.835**	104,00 **4.094**	151,00 5.945	126,00 **4.961**
24	65,00 **2.559**	113,00 **4.449**	101,00 **3.976**	129,00 **5.079**	72,00 **2.835**	75,00 **2.593**	110,00 **4.331**	148,00 **5.827**	130,00 **5.118**
28	65,00 **2.559**	113,00 **4.449**	101,00 **3.976**	130,00 **5.118**	71,00 **2.795**	76,00 **2.992**	111,00 **4.370**	155,00 **6.102**	137,00 **5.394**
32	64,00 **2.520**	112,00 **4.409**	106,00 **4.173**	125,00 **4.921**	71,00 **2.795**	75,00 **2.593**	117,00 **4.606**	152,00 **5.984**	143,00 **5.630**
36	64,00 **2.520**	112,00 **4.409**	112,00 **4.409**	122,00 **4.803**	71,00 **2.795**	75,00 **2.593**	123,00 **4.842**	148,00 **5.827**	149,00 **5.866**
40	64,00 **2.520**	109,00 **4.291**	112,00 **4.409**	120,00 **4.724**	71,00 **2.795**	76,00 **2.992**	118,00 **4.646**	145,00 **5.709**	149,00 **5.866**

Size 49 Square Flange Front Mounting Receptacle
No Accessory or With Grommet & Grommet Nut
AB Styles: ABCIRH04T or ABCIRH04EV

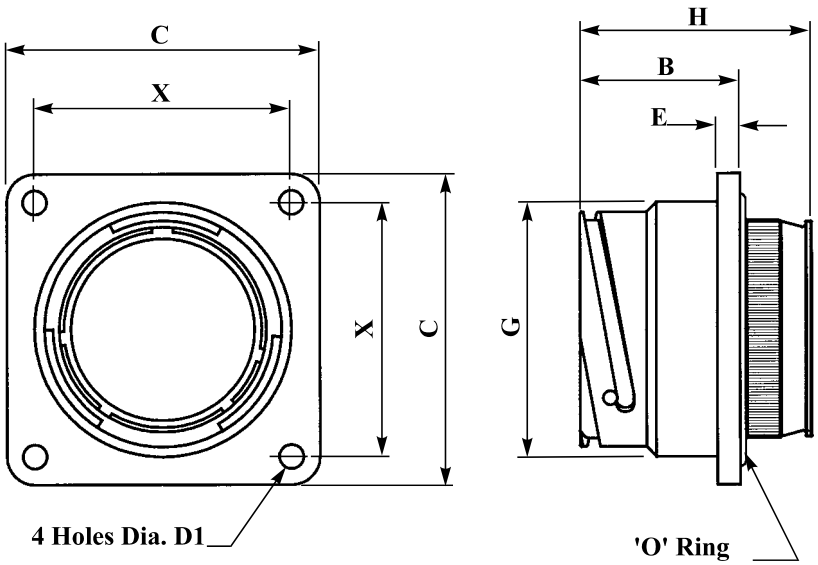


Metric
Imperial

ABCIRH04T

See page 82 for panel mounting details

Shell Size	B	C	D1 +0,2 -0 **+0.008-0**	E	F Thread Dia. Class 2A	G Dia.	H	X
49	56,50 **2.224**	110,00 **4.330**	8,50 **0.335**	8,00 **0.315**	$2^{7}/_{8}$" x 16 UN	90,00 **3.543**	62,50 **2.460**	90,00 **3.543**



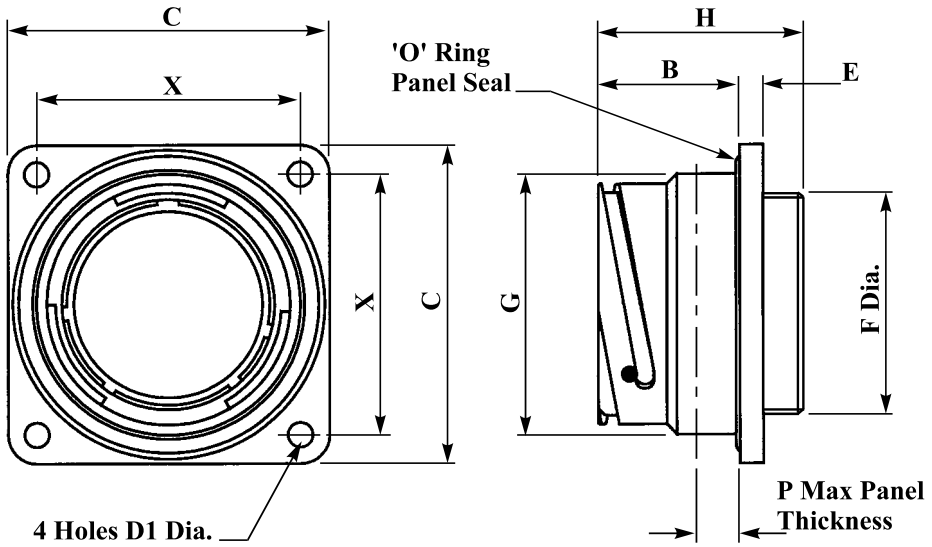
Metric
Imperial

ABCIRH04EV

See page 82 for panel mounting details

Shell Size	B	C	D1 +0,2 -0 **+0.008-0**	E	G Dia.	H	X
49	56,50 **2.224**	110,00 **4.330**	8,50 **0.335**	8,00 **0.315**	90,00 **3.543**	81,50 **3.209**	90,00 **3.543**

Size 49 Square Flange Rear Mounting Receptacle
No Accessory or With Grommet & Grommet Nut
AB Styles: ABCIRH05T or ABCIRH05EV

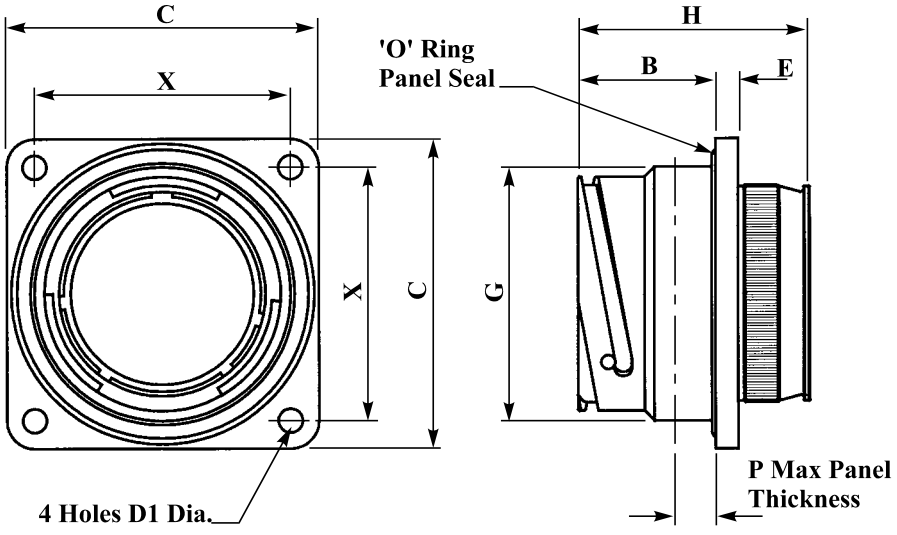


Metric
Imperial

ABCIRH05T

See page 82 for panel mounting details

Shell Size	B	C	D1 +0,2 -0 **+0.008-0**	E	F Thread Dia. Class 2A	G Dia.	H	P	X
49	56,50 **2.224**	110,00 **4.330**	8,50 **0.335**	8,00 **0.315**	$2^{7}/_{8}$" x 16 UN	90,00 **3.543**	62,50 **2.460**	15,00 **0.590**	90,00 **3.543**



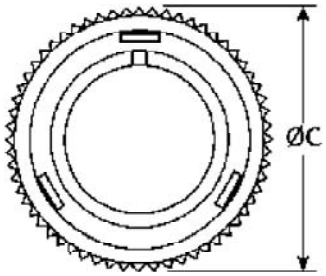
Metric
Imperial

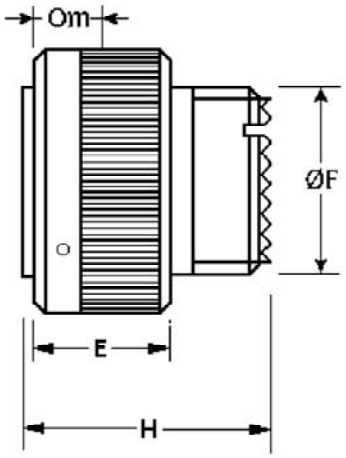
ABCIRH05EV

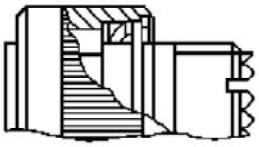
See page 82 for panel mounting details

Shell Size	B	C	D1 +0,2 -0 **+0.008-0**	E	G Dia.	H	P	X
49	56,50 **2.224**	110,00 **4.330**	8,50 **0.335**	8,00 **0.315**	90,00 **3.543**	81,50 **3.209**	15,00 **0.590**	90,00 **3.543**

Plug - Fine Knurl Coupling Nut
Style: ABCIRH06T/ABCIRHSE06T





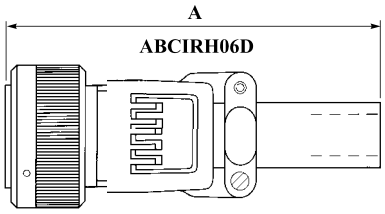


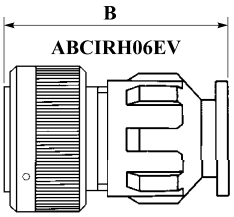
ABCIRHSE06T with Screening Facility

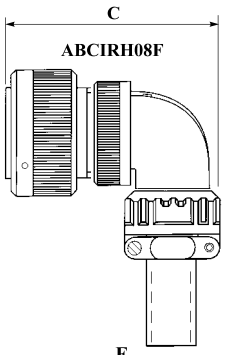
Metric
Imperial

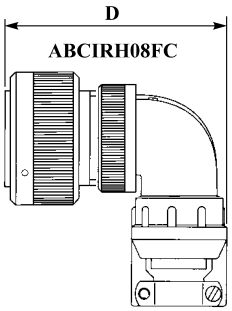
Shell Size	C Max	E Max	F Thread Dia. Class 2A	H Max	Om Min Overlap Mated
10SL	24,20 **0.953**	17,50 **0.689**	$^{5}/_{8}$" x 24 UNEF	28,95 **1.140**	11,10 **0.437**
14S	30,60 **1.205**	17,50 **0.689**	$^{3}/_{4}$" x 20 UNEF	28,95 **1.140**	11,10 **0.437**
16S	33,40 **1.315**	17,50 **0.689**	$^{7}/_{8}$" x 20 UNEF	28,95 **1.140**	11,10 **0.437**
16	33,40 **1.315**	24,00 **0.945**	$^{7}/_{8}$" x 20 UNEF	36,40 **1.433**	15,85 **0.624**
18	37,30 **1.468**	24,00 **0.945**	1" x 20 UNEF	36,40 **1.433**	15,85 **0.624**
20	40,70 **1.602**	24,00 **0.945**	$1^{1}/_{8}$" x 18 UNEF	36,40 **1.433**	15,85 **0.624**
22	44,20 **1.740**	24,00 **0.945**	$1^{1}/_{4}$" x 18 UNEF	36,40 **1.433**	15,85 **0.624**
24	47,70 **1.878**	24,00 **0.945**	$1^{3}/_{8}$" x 18 UNEF	36,40 **1.433**	15,75 **0.620**
28	54,50 **2.146**	24,00 **0.945**	$1^{5}/_{8}$" x 18 UNEF	36,40 **1.433**	15,75 **0.620**
32	61,40 **2.417**	27,00 **1.063**	$1^{7}/_{8}$" x 16 UN	36,40 **1.433**	15,75 **0.620**
36	68,00 **2.677**	27,00 **1.063**	$2^{1}/_{16}$" x 16 UNS	36,40 **1.433**	15,75 **0.620**
40	74,00 **2.913**	27,00 **1.063**	$2^{5}/_{16}$" x 16 UN	36,40 **1.433**	15,75 **0.620**

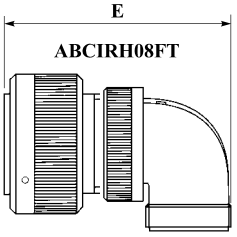
ABCIRH '06' Style
Connector & Accessory

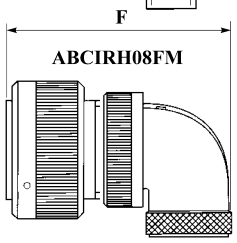


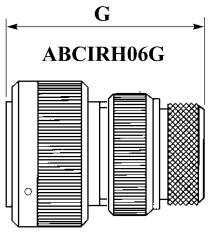


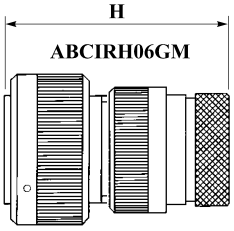


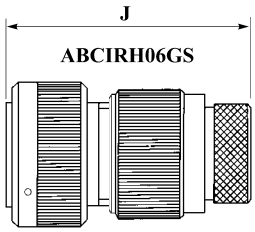










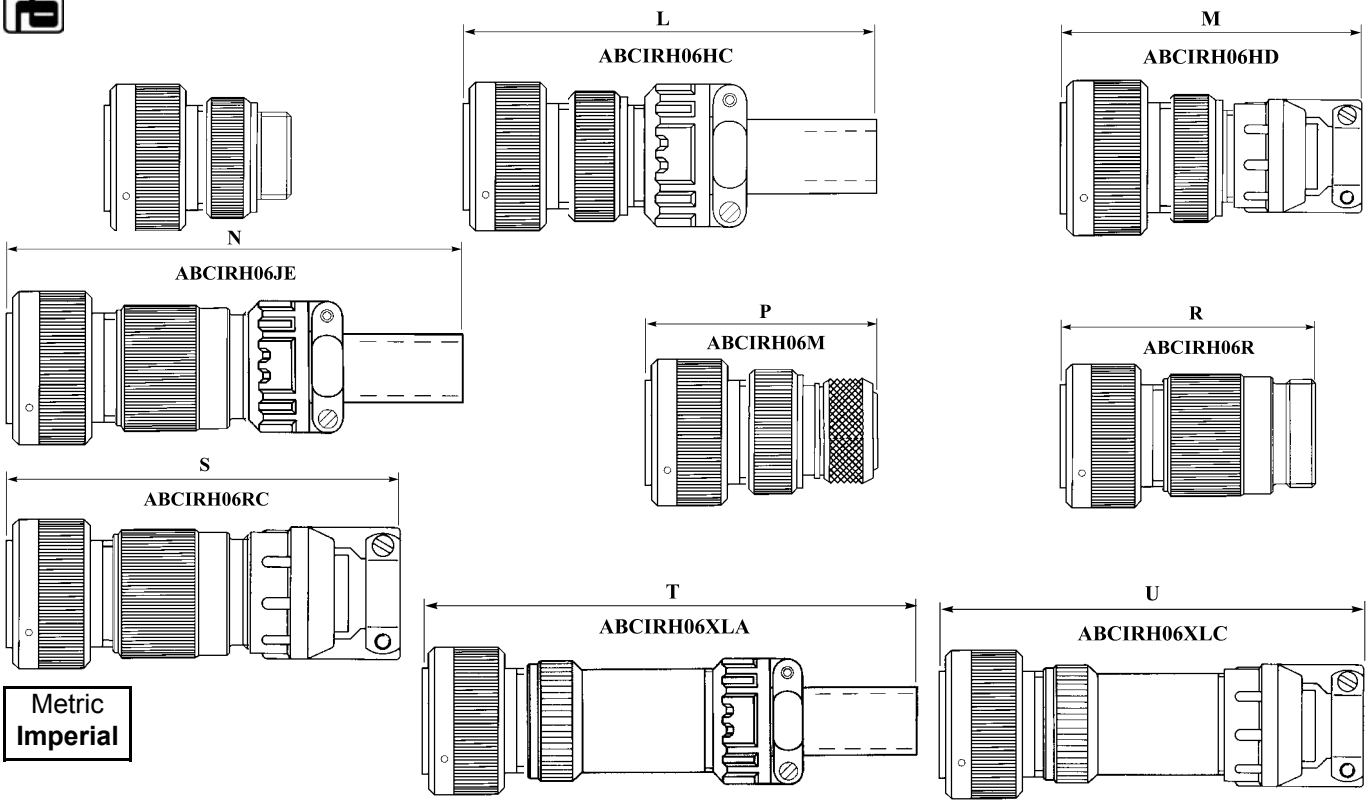


Metric
Imperial

Shell Size	A	B	C	D	E	F	G	H	J
10SL	109,00 **4.291**	44,00 **1.732**	57,00 **2.244**	58,00 **2.283**	54,00 **2.126**	54,00 **2.126**	50,00 **1.969**	54,00 **2.126**	*
14S	107,00 **4.213**	44,00 **1.732**	61,00 **2.402**	60,00 **2.362**	56,00 **2.205**	57,00 **2.244**	50,00 **1.969**	54,00 **2.126**	*
16S	104,00 **4.094**	44,00 **1.732**	64,00 **2.520**	64,00 **2.520**	60,00 **2.362**	60,00 **2.362**	50,00 **1.969**	54,00 **2.126**	*
16	111,00 **4.370**	54,00 **2.126**	71,00 **2.795**	71,00 **2.795**	68,00 **2.677**	68,00 **2.677**	57,00 **2.244**	65,00 **2.559**	*
18	115,00 **4.528**	54,00 **2.126**	76,00 **2.992**	76,00 **2.992**	72,00 **2.835**	72,00 **2.835**	59,00 **2.323**	65,00 **2.559**	74,00 **2.913**
20	114,00 **4.488**	54,00 **2.126**	81,00 **3.190**	82,00 **3.228**	77,00 **3.031**	78,00 **3.071**	60,00 **2.362**	68,00 **2.677**	80,00 **3.150**
22	114,00 **4.488**	54,00 **2.126**	81,00 **3.190**	119,00 **4.685**	78,00 **3.071**	78,00 **3.071**	63,00 **2.480**	68,00 **2.677**	80,00 **3.150**
24	109,00 **4.291**	54,00 **2.126**	89,00 **3.504**	90,00 **3.543**	86,00 **3.386**	86,00 **3.386**	60,00 **2.362**	68,00 **2.677**	80,00 **3.150**
28	119,00 **4.685**	54,00 **2.126**	88,00 **3.465**	89,00 **3.504**	85,00 **3.346**	85,00 **3.346**	63,00 **2.480**	67,00 **2.638**	81,00 **3.189**
32	116,00 **4.567**	54,00 **2.126**	98,00 **3.858**	101,00 **3.976**	95,00 **3.740**	95,00 **3.740**	62,00 **2.441**	67,00 **2.638**	80,00 **3.150**
36	112,00 **4.409**	54,00 **2.126**	104,00 **4.094**	105,00 **4.134**	101,00 **3.976**	101,00 **3.976**	67,00 **2.638**	68,00 **2.677**	80,00 **3.150**
40	N/A	54,00 **2.126**	111,00 **4.370**	112,00 **4.409**	107,00 **4.213**	107,00 **4.213**	68,00 **2.677**	68,00 **2.677**	80,00 **3.150**

* Please consult factory for availability.

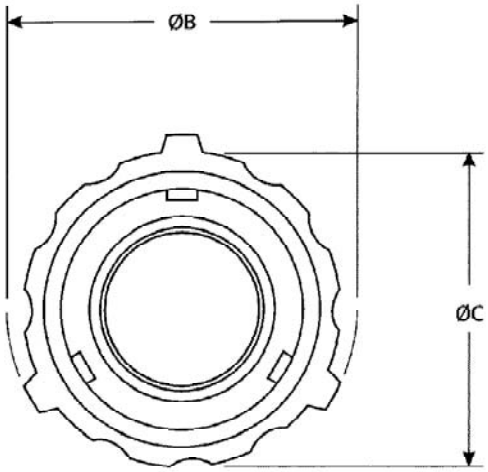
ABCIRH '06' Style
Connector & Accessory cont.

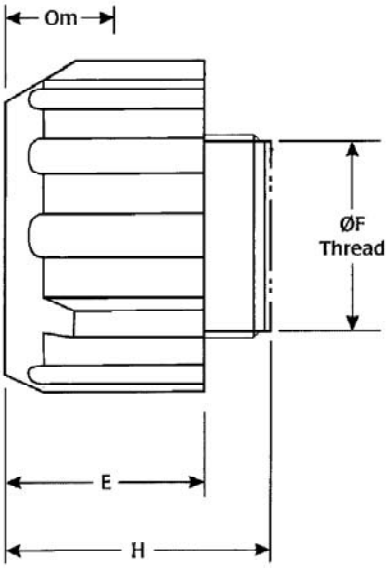


Metric
Imperial

Shell Size	K	L	M	N	P	R	S	T	U
10SL	50,00 **1.969**	122,00 **4.803**	81,00 **3.189**	121,00 **4.764**	53,00 **2.087**	51,00 **2.008**	82,00 **3.228**	140,00 **5.512**	101,00 **3.976**
14S	50,00 **1.969**	119,00 **4.685**	81,00 **3.189**	118,00 **4.646**	56,00 **2.205**	51,00 **2.008**	82,00 **3.228**	137,00 **5.394**	101,00 **3.976**
16S	50,00 **1.969**	120,00 **4.724**	81,00 **3.189**	115,00 **4.528**	56,00 **2.205**	51,00 **2.008**	82,00 **3.228**	134,00 **5.276**	101,00 **3.976**
16	57,00 **2.244**	123,00 **4.843**	88,00 **3.465**	124,00 **4.882**	63,00 **2.480**	60,00 **2.362**	91,00 **3.583**	152,00 **5.984**	121,00 **4.764**
18	59,00 **2.323**	124,00 **4.882**	92,00 **3.622**	127,00 **5.000**	66,00 **2.598**	66,00 **2.598**	99,00 **3.898**	149,00 **5.866**	121,00 **4.764**
20	59,00 **2.323**	120,00 **4.724**	92,00 **3.622**	123,00 **4.843**	66,00 **2.598**	66,00 **2.598**	99,00 **3.898**	145,00 **5.709**	121,00 **4.764**
22	59,00 **2.323**	120,00 **4.724**	92,00 **3.622**	123,00 **4.843**	66,00 **2.598**	66,00 **2.598**	99,00 **3.898**	145,00 **5.709**	121,00 **4.764**
24	59,00 **2.323**	107,00 **4.213**	95,00 **3.740**	123,00 **4.843**	66,00 **2.598**	69,00 **2.717**	105,00 **4.134**	142,00 **5.591**	124,00 **4.882**
28	59,00 **2.323**	107,00 **4.213**	95,00 **3.740**	124,00 **4.882**	65,00 **2.559**	70,00 **2.756**	106,00 **4.173**	149,00 **5.866**	131,00 **5.157**
32	58,00 **2.283**	106,00 **4.173**	100,00 **3.937**	120,00 **4.724**	65,00 **2.559**	69,00 **2.717**	111,00 **4.370**	146,00 **5.748**	137,00 **5.394**
36	58,00 **2.283**	106,00 **4.173**	107,00 **4.213**	117,00 **4.606**	65,00 **2.559**	69,00 **2.717**	117,00 **4.606**	143,00 **5.630**	144,00 **5.669**
40	58,00 **2.283**	103,00 **4.055**	107,00 **4.213**	114,00 **4.488**	65,00 **2.559**	70,00 **2.756**	112,00 **4.409**	140,00 **5.512**	144,00 **5.669**

Plug
Rubber Covered Coupling Nut
Style: ABCIRHP06T



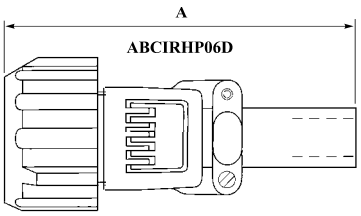


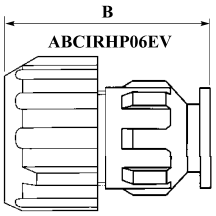
Metric
Imperial

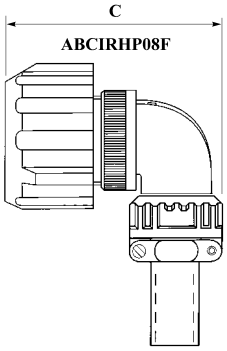
Shell Size	B Max	C Max	E Max	F Thread Dia. Class 2A	H Max	Om Min Overlap Mated
***10SL**	33,50 **1.319**	28,50 **1.122**	19,40 **0.764**	$^{5}/_{8}$" x 24 UNEF	29,55 **1.163**	13,10 **0.516**
***14S**	40,20 **1.583**	35,20 **1.386**	19,40 **0.764**	$^{3}/_{4}$" x 20 UNEF	29,55 **1.163**	13,10 **0.516**
***16S**	43,88 **1.726**	38,90 **1.531**	19,40 **0.764**	$^{7}/_{8}$" x 20 UNEF	29,55 **1.163**	13,10 **0.516**
***16**	43,88 **1.726**	38,90 **1.531**	27,10 **1.067**	$^{7}/_{8}$" x 20 UNEF	37,07 **1.459**	17,85 **0.703**
18	49,00 **1.929**	43,50 **1.713**	27,10 **1.067**	1" x 20 UNEF	37,07 **1.459**	17,85 **0.703**
20	51,50 **2.026**	46,00 **1.811**	27,10 **1.067**	$1^{1}/_{8}$" x 18 UNEF	37,07 **1.459**	17,85 **0.703**
22	56,00 **2.205**	50,50 **1.988**	27,10 **1.067**	$1^{1}/_{4}$" x 18 UNEF	37,07 **1.459**	17,85 **0.703**
24	60,00 **2.362**	54,00 **2.126**	27,10 **1.067**	$1^{3}/_{8}$" x 18 UNEF	37,07 **1.459**	17,75 **0.669**
***28**	67,00 **2.638**	61,00 **2.402**	27,10 **1.067**	$1^{5}/_{8}$" x 18 UNEF	37,07 **1.459**	17,75 **0.669**
***32**	76,00 **2.992**	67,60 **2.661**	27,10 **1.067**	$1^{7}/_{8}$" x 16 UN	37,07 **1.459**	17,75 **0.669**
36	82,30 **3.240**	74,30 **2.925**	27,10 **1.067**	$2^{1}/_{16}$" x 16 UNS	37,07 **1.459**	17,75 **0.669**
40	88,00 **3.465**	80,00 **3.150**	27,10 **1.067**	$2^{5}/_{16}$" x 16 UN	37,07 **1.459**	17,75 **0.669**

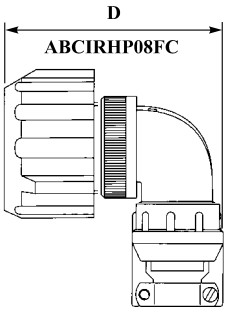
* Please consult factory for availability.

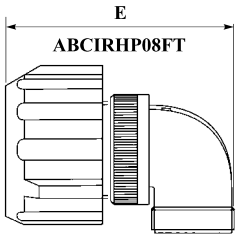
ABCIRH 'P06' Style
Connector & Accessory

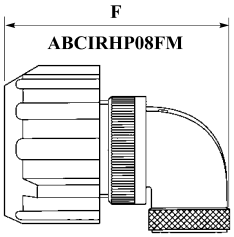


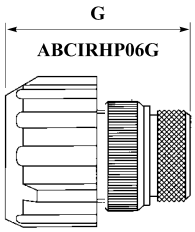


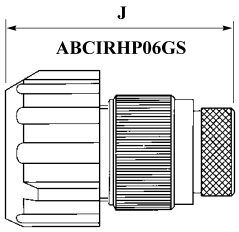










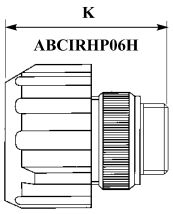


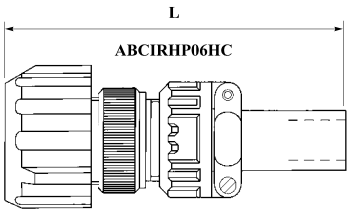
Metric
Imperial

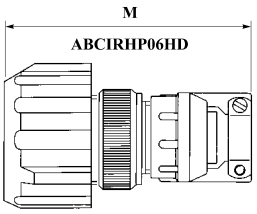
Shell Size	A	B	C	D	E	F	G	J
***10SL**	109,00 **4.291**	44,00 **1.732**	58,00 **2.283**	58,00 **2.283**	55,00 **2.165**	55,00 **2.165**	50,00 **1.969**	*
***14S**	108,00 **4.252**	44,00 **1.732**	61,00 **2.402**	61,00 **2.402**	57,00 **2.244**	57,00 **2.244**	50,00 **1.969**	*
***16S**	105,00 **4.134**	44,00 **1.732**	65,00 **2.559**	65,00 **2.559**	61,00 **2.402**	61,00 **2.402**	50,00 **1.969**	*
***16**	112,00 **4.409**	55,00 **2.165**	72,00 **2.835**	72,00 **2.835**	68,00 **2.677**	68,00 **2.677**	58,00 **2.283**	*
18	116,00 **4.567**	55,00 **2.165**	77,00 **3.031**	77,00 **3.031**	73,00 **2.874**	73,00 **2.874**	60,00 **2.362**	75,00 **2.953**
20	115,00 **4.528**	55,00 **2.165**	82,00 **3.228**	83,00 **3.268**	78,00 **3.071**	78,00 **3.071**	61,00 **2.402**	81,00 **3.189**
22	115,00 **4.528**	55,00 **2.165**	82,00 **3.228**	83,00 **3.268**	78,00 **3.071**	78,00 **3.071**	64,00 **2.520**	81,00 **3.189**
24	109,00 **4.291**	55,00 **2.165**	90,00 **3.543**	90,00 **3.543**	86,00 **3.386**	86,00 **3.386**	61,00 **2.402**	81,00 **3.189**
***28**	119,00 **4.685**	55,00 **2.165**	89,00 **3.504**	89,00 **3.504**	85,00 **3.346**	85,00 **3.346**	64,00 **2.520**	82,00 **3.228**
***32**	116,00 **4.567**	55,00 **2.165**	99,00 **3.898**	102,00 **4.016**	95,00 **3.740**	95,00 **3.740**	62,00 **2.441**	81,00 **3.189**
36	113,00 **4.449**	55,00 **2.165**	105,00 **4.134**	106,00 **4.173**	101,00 **3.976**	101,00 **3.976**	67,00 **2.638**	81,00 **3.189**
40	NA	55,00 **2.165**	112,00 **4.409**	112,00 **4.409**	108,00 **4.252**	108,00 **4.252**	69,00 **2.717**	81,00 **3.189**

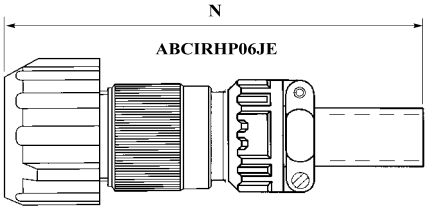
* Please consult factory for availability.

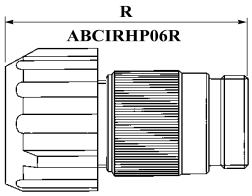
ABCIRH 'P06' Style
Connector & Accessory cont.

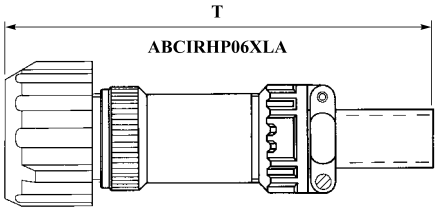


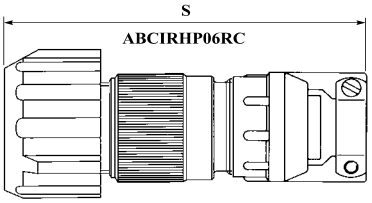


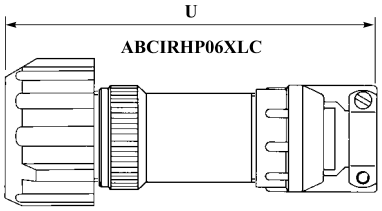










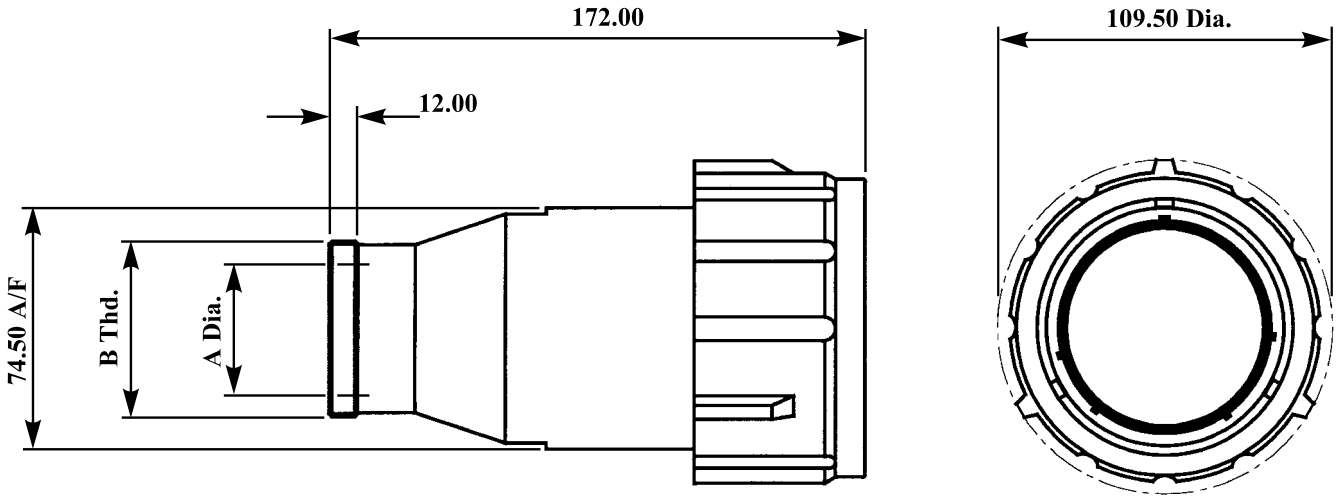


Metric
Imperial

* Please consult factory for availability.

Shell Size	K	L	M	N	R	S	T	U
***10SL**	51,00 **2.008**	123,00 **4.843**	81,00 **3.189**	122,00 **4.803**	52,00 **2.047**	83,00 **3.268**	140,00 **5.512**	102,00 **4.016**
***14S**	51,00 **2.008**	119,00 **4.685**	81,00 **3.189**	119,00 **4.685**	52,00 **2.047**	83,00 **3.268**	138,00 **5.433**	102,00 **4.016**
***16S**	51,00 **2.008**	121,00 **4.764**	81,00 **3.189**	115,00 **4.528**	52,00 **2.047**	83,00 **3.268**	135,00 **5.315**	102,00 **4.016**
***16**	58,00 **2.283**	124,00 **4.882**	89,00 **3.504**	124,00 **4.882**	61,00 **2.402**	92,00 **3.622**	152,00 **5.984**	121,00 **4.764**
18	60,00 **2.362**	125,00 **4.921**	93,00 **3.661**	127,00 **5.000**	67,00 **2.638**	99,00 **3.898**	149,00 **5.866**	121,00 **4.764**
20	60,00 **2.362**	121,00 **4.764**	93,00 **3.661**	124,00 **4.882**	67,00 **2.638**	99,00 **3.898**	146,00 **5.748**	121,00 **4.764**
22	60,00 **2.362**	121,00 **4.764**	93,00 **3.661**	124,00 **4.882**	67,00 **2.638**	99,00 **3.898**	146,00 **5.748**	121,00 **4.764**
24	60,00 **2.362**	108,00 **4.252**	96,00 **3.780**	124,00 **4.882**	70,00 **2.756**	106,00 **4.173**	143,00 **5.630**	125,00 **4.921**
***28**	60,00 **2.362**	108,00 **4.252**	96,00 **3.780**	125,00 **4.921**	71,00 **2.795**	106,00 **4.173**	150,00 **5.906**	132,00 **5.197**
***32**	59,00 **2.323**	107,00 **4.213**	101,00 **3.976**	121,00 **4.764**	70,00 **2.756**	112,00 **4.409**	147,00 **5.787**	138,00 **5.433**
36	59,00 **2.323**	107,00 **4.213**	107,00 **4.213**	117,00 **4.606**	70,00 **2.756**	118,00 **4.646**	144,00 **5.669**	144,00 **5.669**
40	59,00 **2.323**	104,00 **4.094**	107,00 **4.213**	116,00 **4.567**	71,00 **2.795**	113,00 **4.449**	140,00 **5.512**	144,00 **5.669**

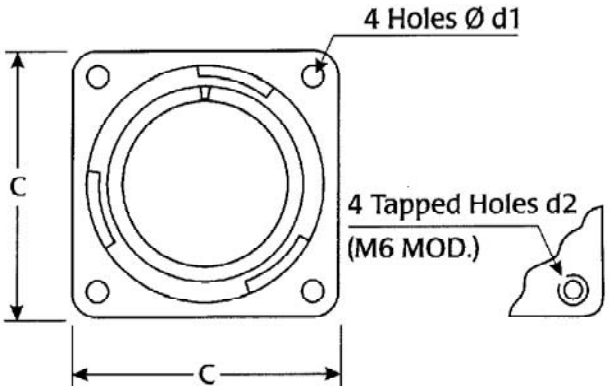
ABCIRH Shell Size 49. Plug With Conduit Adaptor
Rubber Covered Coupling Nut
Style: ABCIRHP06GGL or GGS.....

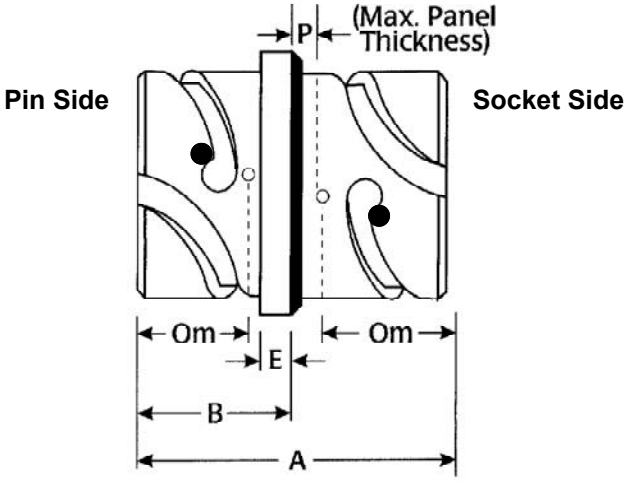


Metric
Imperial

Connector Style	A Dia. Max.	B Thread
ABCIRHP06GGL.....	43,50 **1.713**	2 1/4" x 16 UN-2A
ABCIRHP06GGS.....	29,00 **1.142**	1 3/4" x 18 UNEF-2A

Through Bulkhead Receptacle
Style: ABCIRH07/ABCIRH07...M6





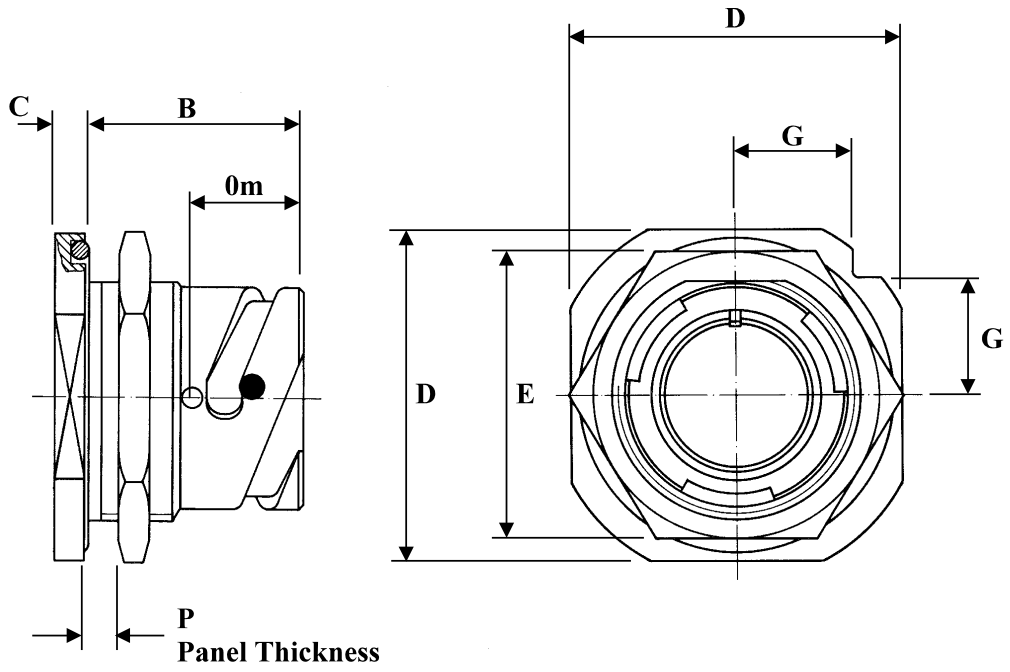
Note. Maximum panel thickness when using cap head screws. When using countersunk screws, maximum panel thickness = 7.5 mm.

See page 82 for panel mounting details.

Metric
Imperial

Shell Size	A Max	B Max	C Max	d1 +0,2 -0 +0.008-0	d2 Thread	E Max	P See Note	Om Min Overlap Mated
10SL	38,20 **1.504**	17,60 **0.693**	25,70 **1.012**	3,20 **0.126**	M4	3,00 **0.118**	3,30 **0.130**	11,10 **0.437**
14S	38,20 **1.504**	18,00 **0.709**	30,30 **1.193**	3,20 **0.126**	M4	3,40 **0.134**	3,30 **0.130**	11,10 **0.437**
16S	38,20 **1.504**	18,00 **0.709**	32,80 **1.291**	3,20 **0.123**	M4	3,40 **0.134**	3,30 **0.130**	11,10 **0.437**
16	52,10 **2.051**	22,80 **0.898**	32,80 **1.291**	3,20 **0.126**	M4	3,40 **0.134**	3,30 **0.130**	15,85 **0.624**
18	52,10 **2.051**	23,60 **0.929**	35,30 **1.390**	3,20 **0.126**	M4	4,20 **0.165**	3,30 **0.130**	15,85 **0.624**
20	52,10 **2.051**	23,60 **0.929**	38,30 **1.508**	3,20 **0.126**	M4	4,20 **0.165**	3,30 **0.130**	15,85 **0.624**
22	52,10 **2.051**	23,60 **0.929**	41,30 **1.626**	3,20 **0.126**	M4	4,20 **0.165**	3,30 **0.130**	15,75 **0.620**
24	52,10 **2.051**	25,20 **0.992**	44,80 **1.764**	3,70 **0.146**	M4	4,20 **0.165**	3,30 **0.130**	15,75 **0.620**
28	52,10 **2.051**	25,20 **0.992**	51,10 **2.012**	3,70 **0.146**	M5	4,20 **0.165**	3,30 **0.130**	15,75 **0.620**
32	52,10 **2.051**	26,80 **1.055**	57,30 **2.256**	4,30 **0.169**	M5	4,20 **0.165**	3,30 **0.130**	15,75 **0.620**
36	52,10 **2.051**	26,80 **1.055**	63,80 **2.512**	4,30 **0.169**	M5	4,20 **0.165**	3,30 **0.130**	15,75 **0.620**
40	52,10 **2.051**	26,80 **1.055**	70,20 **2.764**	4,30 **0.169**	M5	4,20 **0.165**	3,30 **0.130**	15,75 **0.620**

Single Hole Mounting Receptacle
Rear Mounted (No Accessory Thread)
Style: ABCIRH09A

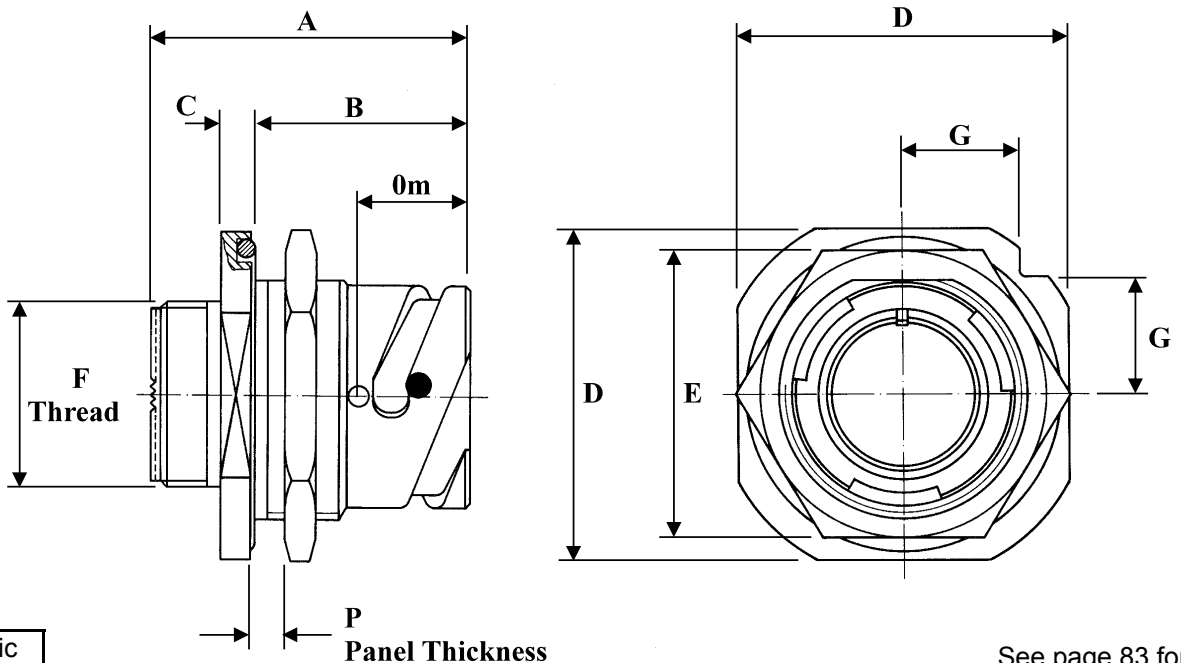


Metric
Imperial

See page 83 for panel mounting details

Shell Size	B	C	D Max	E	G	P Min	P Max	Om Min Overlap Mated
10SL	24,50 **0.965**	4,00 **0.157**	32,05 **1.262**	27,00 **1.063**	11,20 **0.441**	2,40 **0.094**	5,20 **0.205**	11,10 **0.437**
14S	26,80 **1.055**	4,80 **0.189**	41,55 **1.636**	33,00 **1.299**	14,60 **0.575**	2,40 **0.094**	7,50 **0.295**	11,10 **0.437**
16S	26,80 **1.055**	4,80 **0.189**	44,65 **1.758**	38,10 **1.500**	15,70 **0.618**	2,40 **0.094**	7,50 **0.295**	11,10 **0.437**
16	32,10 **1.264**	4,80 **0.189**	44,65 **1.758**	38,10 **1.500**	15,70 **0.618**	2,40 **0.094**	7,50 **0.295**	15,85 **0.624**
18	33,70 **1.327**	4,80 **0.189**	47,85 **1.884**	39,70 **1.563**	16,80 **0.661**	2,40 **0.094**	9,00 **0.354**	15,85 **0.624**
20	33,70 **1.327**	4,80 **0.189**	51,05 **2.034**	44,00 **1.732**	18,00 **0.709**	2,40 **0.094**	9,00 **0.354**	15,85 **0.624**
22	33,70 **1.327**	4,80 **0.189**	54,45 **2.144**	46,00 **1.811**	20,20 **0.795**	2,40 **0.094**	9,10 **0.358**	15,75 **0.620**
24	33,70 **1.327**	4,80 **0.189**	57,45 **2.262**	50,80 **2.000**	20,20 **0.795**	2,40 **0.094**	9,10 **0.358**	15,75 **0.620**
28	35,20 **1.386**	5,60 **0.220**	63,75 **2.510**	55,00 **2.165**	22,50 **0.886**	2,40 **0.094**	8,50 **0.335**	15,75 **0.620**
32	35,20 **1.386**	5,60 **0.220**	70,05 **2.758**	62,00 **2.441**	24,70 **0.972**	2,40 **0.094**	8,50 **0.335**	15,75 **0.620**
36	35,20 **1.386**	5,60 **0.220**	76,45 **3.010**	71,00 **2.795**	26,90 **1.059**	2,40 **0.094**	8,30 **0.327**	15,75 **0.620**
40	35,20 **1.386**	5,60 **0.220**	83,75 **3.297**	75,00 **2.953**	29,60 **1.165**	2,40 **0.094**	8,30 **0.327**	15,75 **0.620**

Single Hole Mounting Receptacle
Rear Mounted (With Accessory Thread)
Style: ABCIRH09T

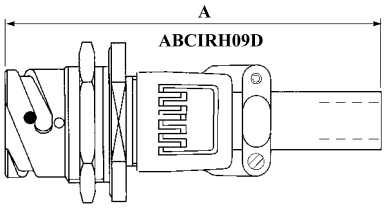


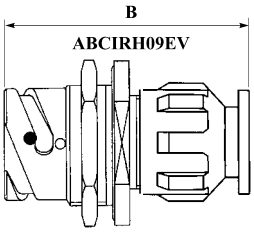
Metric
Imperial

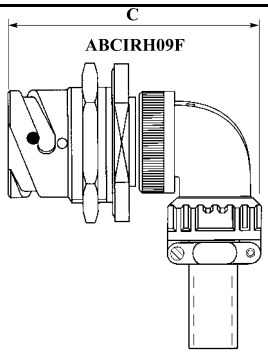
See page 83 for panel mounting details

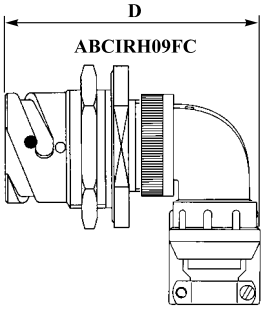
Shell Size	A Max	B	C	D Max	E	F Thread Dia. Class 2A	G	P Min	P Max	Om Min Overlap Mated
10SL	36,45 **1.435**	24,50 **0.965**	4,00 **0.157**	32,05 **1.262**	27,00 **1.063**	5/8" x 24 UNEF	11,20 **0.441**	2,40 **0.094**	5,20 **0.205**	11,10 **0.437**
14S	39,15 **1.541**	26,80 **1.055**	4,80 **0.189**	41,55 **1.636**	33,00 **1.299**	3/4" x 20 UNEF	14,60 **0.575**	2,40 **0.094**	7,50 **0.295**	11,10 **0.437**
16S	39,15 **1.541**	26,80 **1.055**	4,80 **0.189**	44,65 **1.758**	38,10 **1.500**	7/8" x 20 UNEF	15,70 **0.618**	2,40 **0.094**	7,50 **0.295**	11,10 **0.437**
16	48,75 **1.919**	32,10 **1.264**	4,80 **0.189**	44,65 **1.758**	38,10 **1.500**	7/8" x 20 UNEF	15,70 **0.618**	2,40 **0.094**	7,50 **0.295**	15,85 **0.624**
18	49,55 **1.951**	33,70 **1.327**	4,80 **0.189**	47,85 **1.884**	39,70 **1.563**	1" x 20 UNEF	16,80 **0.661**	2,40 **0.094**	9,00 **0.354**	15,85 **0.624**
20	49,55 **1.951**	33,70 **1.327**	4,80 **0.189**	51,05 **2.034**	44,00 **1.732**	1 1/8" x 18 UNEF	18,00 **0.709**	2,40 **0.094**	9,00 **0.354**	15,85 **0.624**
22	49,55 **1.951**	33,70 **1.327**	4,80 **0.189**	54,45 **2.144**	46,00 **1.811**	1 1/4" x 18 UNEF	20,20 **0.795**	2,40 **0.094**	9,10 **0.358**	15,75 **0.620**
24	49,55 **1.951**	33,70 **1.327**	4,80 **0.189**	57,45 **2.262**	50,80 **2.000**	1 3/8" x 18 UNEF	20,20 **0.795**	2,40 **0.094**	9,10 **0.358**	15,75 **0.620**
28	52,15 **2.053**	35,20 **1.386**	5,60 **0.220**	63,75 **2.510**	55,00 **2.165**	1 5/8" x 18 UNEF	22,50 **0.886**	2,40 **0.094**	8,50 **0.335**	15,75 **0.620**
32	52,15 **2.053**	35,20 **1.386**	5,60 **0.220**	70,05 **2.758**	62,00 **2.441**	1 7/8" x 16 UN	24,70 **0.972**	2,40 **0.094**	8,50 **0.335**	15,75 **0.620**
36	52,15 **2.053**	35,20 **1.386**	5,60 **0.220**	76,45 **3.010**	71,00 **2.795**	2 1/16" x 16 UNS	26,90 **1.059**	2,40 **0.094**	8,30 **0.327**	15,75 **0.620**
40	52,15 **2.053**	35,20 **1.386**	5,60 **0.220**	83,75 **3.297**	75,00 **2.953**	2 5/16" x 16 UN	29,60 **1.165**	2,40 **0.094**	8,30 **0.327**	15,75 **0.620**

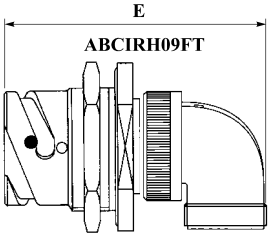
ABCIRH '09' Style
Connector & Accessory

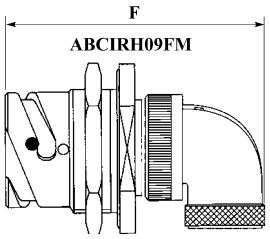


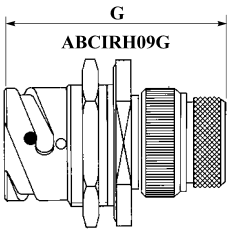


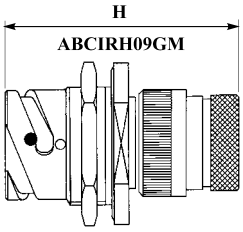


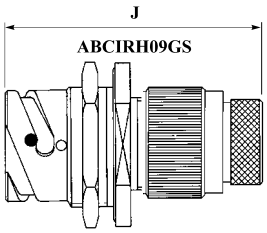










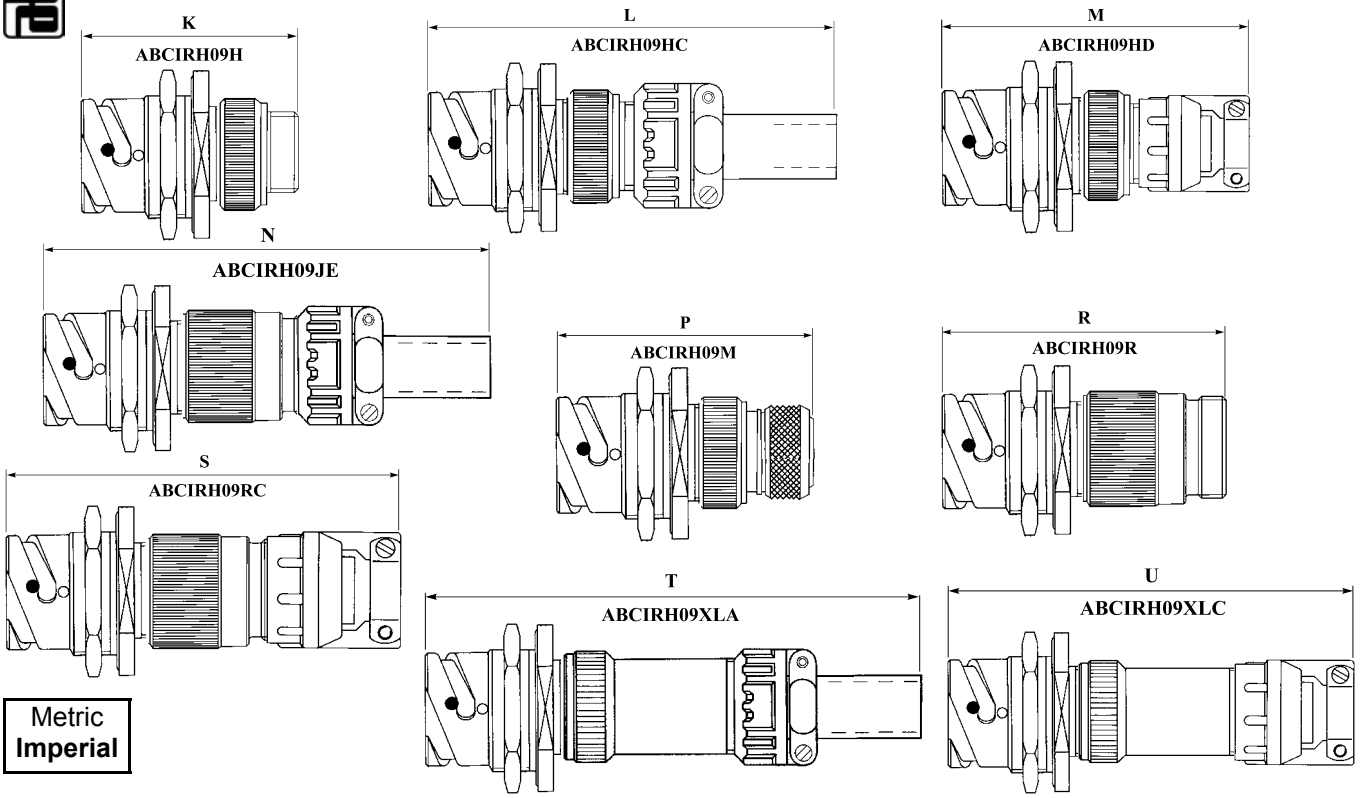


Metric
Imperial

Shell Size	A	B	++C	++D	++E	++F	++G	++H	J
10SL	116,00 **4.567**	51,00 **2.008**	65,00 **2.560**	65,00 **2.560**	61,00 **2.402**	61,00 **2.402**	57,00 **2.244**	61,00 **2.402**	*
14S	117,00 **4.606**	54,00 **2.126**	70,00 **2.756**	71,00 **2.795**	67,00 **2.638**	67,00 **2.638**	60,00 **2.362**	64,00 **2.520**	*
16S	114,00 **4.488**	54,00 **2.126**	72,00 **2.835**	74,00 **2.913**	70,00 **2.756**	70,00 **2.756**	60,00 **2.362**	64,00 **2.520**	*
16	124,00 **4.882**	67,00 **2.638**	84,00 **3.307**	83,00 **3.268**	78,00 3.071	80,00 **3.150**	69,00 **2.717**	77,00 **3.031**	*
18	128,00 **5.040**	68,00 **2.677**	89,00 **3.504**	89,00 **3.504**	85,00 **3.346**	85,00 **3.346**	72,00 **2.835**	78,00 **3.071**	88,00 **3.465**
20	127,00 **5.000**	68,00 **2.677**	94,00 **3.700**	95,00 **3.740**	91,00 **3.583**	91,00 **3.583**	73,00 **2.875**	82,00 **3.228**	93,00 **3.661**
22	127,00 **5.000**	68,00 **2.677**	94,00 **3.700**	96,00 **3.780**	91,00 **3.583**	91,00 **3.583**	76,00 **2.992**	82,00 **3.228**	94,00 **3.700**
24	122,00 **4.803**	68,00 **2.677**	102,00 **4.016**	103,00 **4.055**	99,00 **3.898**	99,00 **3.898**	73,00 **2.875**	82,00 **3.228**	94,00 **3.700**
28	135,00 **5.315**	70,00 **2.756**	104,00 **4.094**	105,00 **4.134**	101,00 **3.976**	101,00 **3.976**	79,00 **3.110**	83,00 **3.268**	97,00 **3.700**
32	131,00 **5.157**	70,00 **2.756**	114,00 **4.488**	117,00 **4.606**	111,00 **4.370**	111,00 **4.370**	77,00 **3.031**	83,00 **3.268**	96,00 **3.780**
36	128,00 **5.040**	70,00 **2.756**	120,00 **4.724**	121,00 **4.764**	117,00 **4.606**	117,00 **4.606**	83,00 **3.268**	84,00 **3.307**	96,00 **3.780**
40	NA	70.00 **2.756**	127,00 **5.000**	128,00 **5.039**	123,00 **4.843**	123,00 **4.843**	84,00 **3.307**	84,00 **3.307**	96,00 **3.780**

* Please consult factory for availability. ++ For connector with locking accessory, please refer to the Sales office.

ABCIRH '09' Style
Connector & Accessory cont.

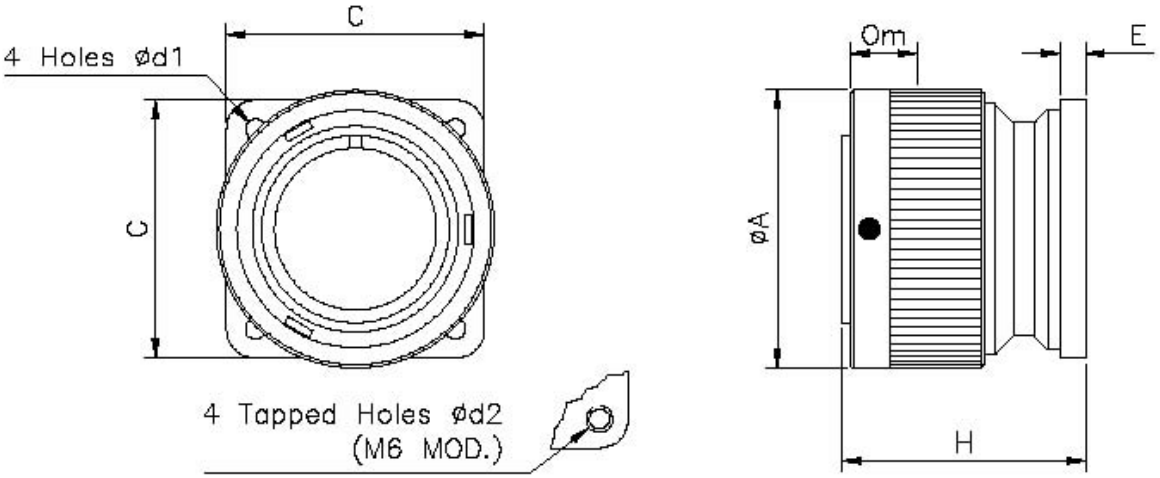


Metric
Imperial

Shell Size	++K	++L	++M	N	++P	R	S	++T	++U
10SL	57,00 **2.244**	130,00 **5.118**	88,00 **3.465**	130,00 **5.118**	61,00 **2.402**	59,00 **2.323**	90,00 **3.543**	148,00 **5.827**	109,00 **4.291**
14S	60,00 **2.362**	129,00 **5.079**	91,00 **3.583**	128,00 **5.039**	66,00 **2.598**	61,00 **2.402**	92,00 **3.622**	147,00 **5.787**	112,00 **4.409**
16S	60,00 **2.362**	131,00 **5.157**	91,00 **3.583**	125,00 **4.921**	66,00 **2.598**	61,00 **2.402**	92,00 **3.622**	144,00 **5.669**	112,00 **4.409**
16	72,00 **2.835**	135,00 **5.315**	101,00 **3.976**	136,00 **5.354**	76,00 **2.992**	72,00 **2.835**	103,00 **4.055**	134,00 **5.276**	133,00 **5.236**
18	73,00 **2.875**	138,00 **5.433**	105,00 **4.134**	140,00 **5.512**	80,00 **3.150**	79,00 **3.110**	112,00 **4.409**	162,00 **6.378**	134,00 **5.276**
20	73,00 **2.875**	133,00 **5.236**	105,00 **4.134**	137,00 **5.394**	80,00 **3.150**	79,00 **3.110**	112,00 **4.409**	159,00 **6.260**	134,00 **5.276**
22	73,00 **2.875**	133,00 **5.236**	105,00 **4.134**	137,00 **5.394**	80,00 **3.150**	79,00 **3.110**	112,00 **4.409**	159,00 **6.260**	134,00 **5.276**
24	73,00 **2.875**	120,00 **4.724**	108,00 **4.252**	137,00 **5.394**	80,00 **3.150**	79,00 **3.110**	112,00 **4.409**	159,00 **6.260**	134,00 **5.276**
28	75,00 **2.953**	123,00 **4.843**	112,00 **4.409**	140,00 **5.512**	81,00 **3.189**	86,00 **3.386**	121,00 **4.764**	165,00 **6.496**	147,00 **5.787**
32	74,00 **2.913**	122,00 **4.803**	116,00 **4.567**	136,00 **5.354**	81,00 **3.189**	85,00 **3.346**	127,00 **5.000**	162,00 **6.378**	153,00 **6.024**
36	74,00 **2.913**	122,00 **4.803**	122,00 **4.803**	133,00 **5.236**	81,00 **3.189**	85,00 **3.346**	133,00 **5.236**	159,00 **6.260**	159,00 **6.260**
40	74,00 **2.913**	119,00 **4.685**	123,00 **4.843**	131,00 **5.157**	81,00 **3.189**	86,00 **3.386**	128,00 **5.039**	155,00 **6.102**	159,00 **6.260**

++ For connector with locking accessory, please refer to the Sales office.

Panel Mounted Plug (No Accessory Thread)
Style: ABCIRH12A/ABCIRH12A...M6

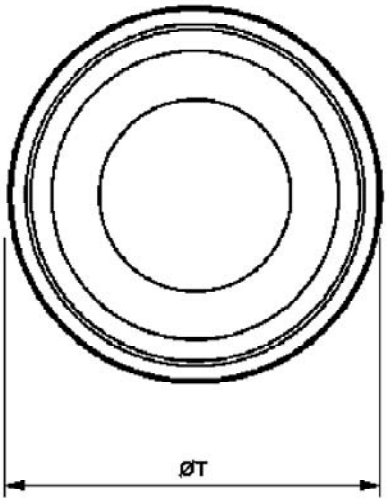


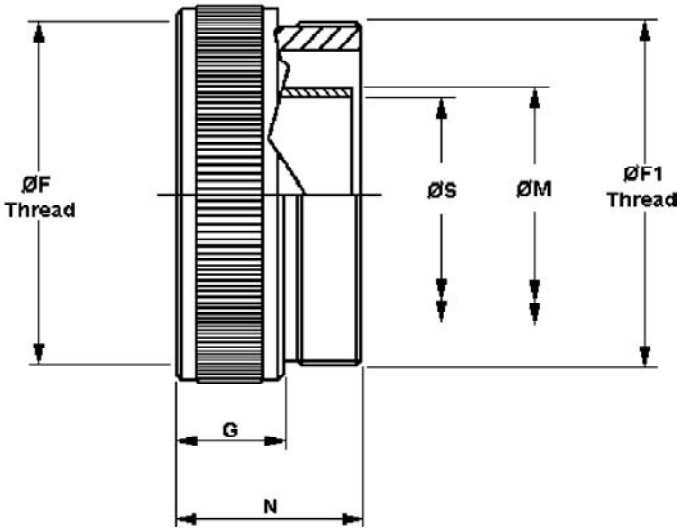
Metric
Imperial

See page 82 for panel mounting details

Shell Size	A Max.	C Max.	d1 +0.2, -0 mm	d2 Thread	E Max.	H Max.	0m Min. Overlap, mated
10SL	24,20 **0.953**	25,70 **1.012**	3.20 **0.126**	M4	3,00 **0.118**	28,10 **1.106**	11,10 **0.437**
14S	30,60 **1.205**	30,30 **1.193**	3,20 **0.126**	M4	3,40 **0.134**	28,10 **1.106**	11,10 **0.437**
16S	33,40 **1.315**	32,80 **1.291**	3,20 **0.126**	M4	3,40 **0.134**	28,10 **1.106**	11,10 **0.437**
16	33,40 **1.315**	32,80 **1.291**	3,20 **0.126**	M4	3,40 **0.134**	37,60 **1.480**	15,85 **0.624**
18	37,30 **1.469**	35,30 **1.390**	3,20 **0.126**	M4	4,20 **0.165**	38,60 **1.519**	15,85 **0.624**
20	40,70 **1.602**	38,30 **1.508**	3,20 **0.126**	M4	4,20 **0.165**	38,60 **1.519**	15,85 **0.624**
22	44,20 **1.740**	41,30 **1.626**	3,20 **0.126**	M4	4,20 **0.165**	38,60 **1.519**	15,85 **0.624**
24	47,70 **1.878**	44,80 **1.764**	3,20 **0.126**	M4	4,20 **0.165**	41,00 **1.614**	15,75 **0.620**
28	54,50 **2.146**	51,10 **2.012**	3,20 **0.126**	M5	4,20 **0.165**	41,80 **1.646**	15,75 **0.620**
32	61,40 **2.417**	57,30 **2.256**	4,30 **0.169**	M5	4,20 **0.165**	45,00 **1.772**	15,75 **0.620**
36	68,00 **2.677**	63,80 **2.512**	4,30 **0.169**	M5	4,20 **0.165**	45,00 **1.772**	15,75 **0.620**
40	74,00 **2.913**	70,20 **2.764**	4,30 **0.169**	M5	4,20 **0.165**	45,00 **1.772**	15,75 **0.620**

Conduit Adaptor With Braid Screen Trap - No Grommet
Accessory Type 'RM'
Style: ABB - ** - CRA





Metric
Imperial *

Note.
This accessory can only be used in conjunctionwith style 'CCA', 'H' or 'FT' adaptor.

How to order:

ABB - ** - CRA

Shell size

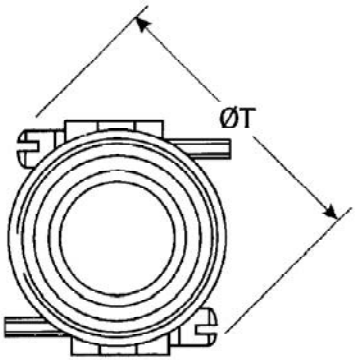
Shell Size	F Thread Dia. Class 2B	F1 Thread Dia. Class 2A	G Max	N Max	S Min	T Max	M Max
***10SL**	-	-	-	-	-	-	-
14S	3/4" x 20 UNEF	7/8" x 20 UNEF	10,00 **0.394**	27,60 **1.087**	8,51 **0.335**	21,53 **0.848**	11,71 **0.461**
16S	7/8" x 20 UNEF	1" x 20 UNEF	10,00 **0.394**	27,60 **1.087**	9,74 **0.383**	25,50 **1.004**	13,10 **0.516**
16	7/8" x 20 UNEF	1" x 20 UNEF	11,00 **0.433**	30,60 **1.205**	9,74 **0.383**	25,50 **1.004**	13,10 **0.516**
18	1" x 20 UNEF	1 3/16" x 18 UNEF	11,00 **0.433**	30,60 **1.205**	12,90 **0.508**	29,10 **1.146**	16,26 **0.640**
20	1 3/16" x 18 UNEF	1 7/16'' x 18 UNEF	11,00 **O.433**	30,60 **1.205**	18,23 **0.718**	35,45 **1.396**	21,51 **0.847**
22	1 3/16" x 18 UNEF	1 7/16'' x 18 UNEF	11,00 **0.433**	30,60 **1.205**	18,23 **0.718**	35,45 **1.396**	21,51 **0.847**
24	1 7/16" x 18 UNEF	1 3/4'' x 18 UNS	11,00 **0.433**	30,60 **1.205**	25,93 **1.021**	43,60 **1.717**	29,21 **1.150**
28	1 7/16" x 18 UNEF	1 3/4'' x 18 UNS	11,00 **0.433**	30,60 **1.205**	25,93 **1.021**	43,60 **1.717**	29,21 **1.150**
32	1 3/4" x 18 UNS	1 3/4'' x 18 UNS	13,00 **0.512**	30,60 **1.205**	25,93 **1.021**	49,55 **1.951**	29,10 **1.146**
36	2" x 18 UNS	2'' x 18 UNS	13,00 **0.512**	30,60 **1.205**	32,00 **1.260**	55,90 **2.201**	35,19 **1.385**
40	2 1/4" x 16 UN	2 1/4'' x 16 UN	13,00 **0.512**	30,60 **1.205**	32,33 **1.273**	63,10 **2.484**	35,60 **1.402**

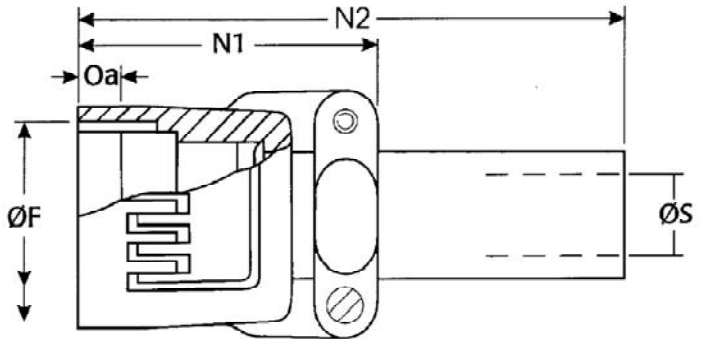
Please consult factory for availability.

Non-Locking Cable Clamp With Grommet & Follower

Accessory Type 'D'

Style: ABBH - ** - ** - OCN - F80





How to order:

ABBH - ** - ** - OCN - F80

Shell size

Contact arrangement

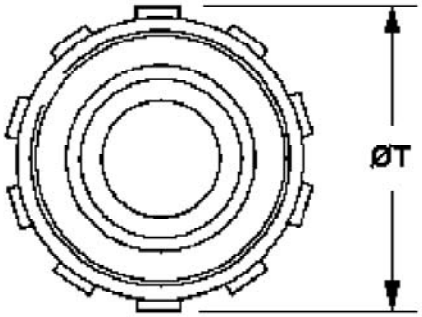
Metric
Imperial

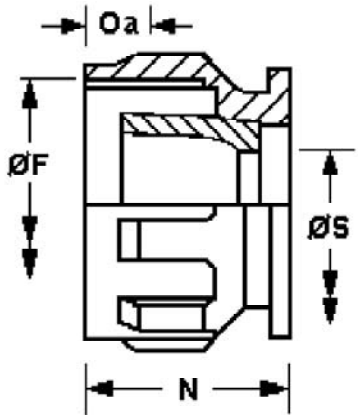
Shell Size	F Thread Dia. Class 2B	N1 Max	N2 Max	S Min/Max	T Max	Oa Min Overlap Accessory
10SL	5/8" x 24 UNEF	36,42 **1.434**	86,68 **3.413**	3,68/5,76 **0.145/0.227**	35,15 **1.384**	7,00 **0.276**
14S	3/4" x 20 UNEF	27,41 **1.079**	85,04 **3.348**	4,62/8,10 **0.182/0.319**	39,88 **1.570**	7,00 **0.276**
16S	7/8" x 20 UNEF	27,41 **1.079**	81,99 **3.228**	7,82/11,30 **0.308/0.444**	41,45 **1.632**	7,00 **0.276**
16	7/8" x 20 UNEF	27,41 **1.079**	81,99 **3.228**	7,82/11,30 **0.308/0.444**	41,45 **1.632**	7,00 **0.276**
18	1" x 20 UNEF	44,68 **1.759**	85,55 **3.368**	8,79/14,45 **0.346/0.569**	45,52 **1.792**	7,00 **0.276**
20	1 1/8" x 18 UNEF	44,68 **1.759**	84,61 **3.331**	10,54/16,00 **0.415/0.632**	49,63 **1.954**	7,00 **0.276**
22	1 1/4" x 18 UNEF	44,68 **1.759**	84,61 **3.331**	10,54/16,00 **0.415/0.632**	49,63 **1.954**	7,00 **0.276**
24	1 3/8" x 18 UNEF	44,68 **1.759**	79,20 **3.118**	14,55/19,23 **0.573/0.757**	56,29 **2.216**	7,00 **0.276**
28	1 5/8" x 18 UNEF	54,79 **2.157**	89,31 **3.516**	14,15/19,23 **0.557/0.757**	60,45 **2.380**	7,00 **0.276**
32	1 7/8" x 16 UN	54,79 **2.157**	86,13 **3.390**	19,18/23,98 **0.755/0.944**	68,43 **2.694**	7,00 **0.276**
36	2 1/16" x 16 UNS	54,79 **2.157**	82,98 **3.267**	24,51/31,93 **0.965/1.257**	71,68 **2.822**	7,00 **0.276**

Non-Locking Grommet Nut With Grommet & Follower

Accessory Type 'EV'

Style: ABBH - ** - ** - EV - F80





How to order:

ABBH - ** - ** - EV - F80

Shell size

Contact arrangement

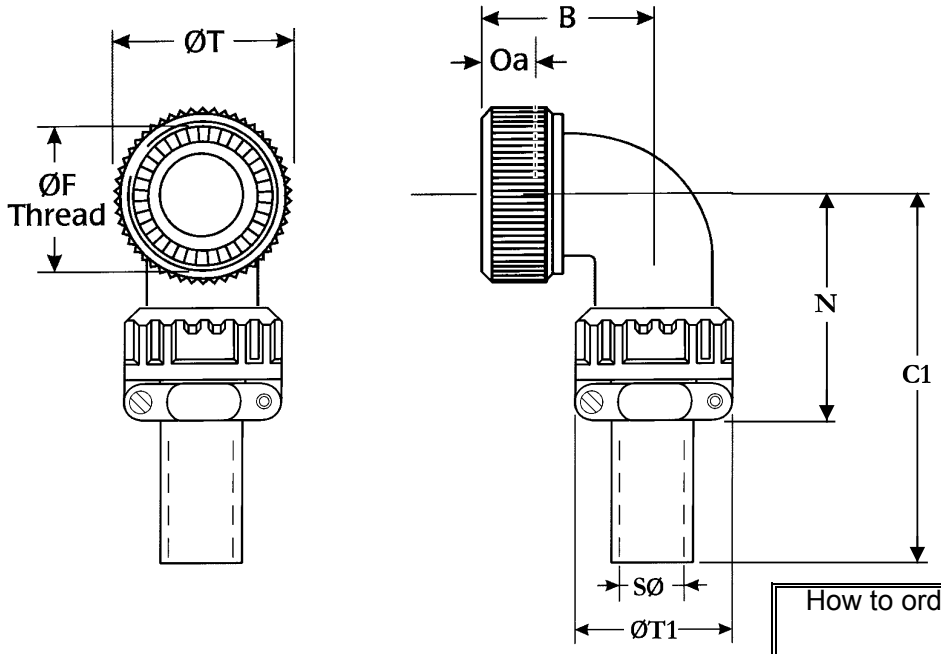
Metric
Imperial

Shell Size	T Max	F Thread Dia. Class 2B	N Max	S Min	Oa Min Overlap Accessory
10SL	21,60 **0.850**	$^{5}/_{8}$" x 24 UNEF	20,83 **0.820**	8,60 **0.339**	6,10 **0.240**
14S	24,80 **0.976**	$^{3}/_{4}$" x 20 UNEF	20,83 **0.820**	11,10 **0.437**	6,10 **0.240**
16S	28,70 **1.130**	$^{7}/_{8}$" x 20 UNEF	20,83 **0.820**	14,30 **0.563**	6,10 **0.240**
16	28,70 **1.130**	$^{7}/_{8}$" x 20 UNEF	25,53 **1.005**	14,30 **0.563**	7,60 **0.300**
18	31,90 **1.256**	1" x 20 UNEF	25,53 **1.005**	16,70 **0.657**	7,60 **0.300**
20	34,90 **1.374**	$1^{1}/_{8}$" x 18 UNEF	25,53 **1.005**	19,80 **0.780**	7,60 **0.300**
22	38,20 **1.504**	$1^{1}/_{4}$" x 18 UNEF	25,53 **1.005**	21,34 **0.840**	7,60 **0.300**
24	41,40 **1.630**	$1^{3}/_{8}$" x 18 UNEF	25,53 **1.005**	25,40 **1.000**	7,60 **0.300**
28	47,80 **1.882**	$1^{5}/_{8}$" x 18 UNEF	25,53 **1.005**	30,13 **1.186**	7,60 **0.300**
32	54,10 **2.130**	$1^{7}/_{8}$" x 16 UN	25,53 **1.005**	36,73 **1.446**	7,60 **0.300**
36	58,70 **2.311**	$2^{1}/_{16}$" x 16 UNS	25,53 **1.005**	41,00 **1.614**	7,60 **0.300**
40	63.00 **2.480**	$2^{5}/_{16}$" x 16 UN	25,64 **1.009**	45,90 **1.807**	7,60 **0.300**

Locking 90⁰ Outlet With Cable Clamp & Grommet

Accessory Type 'F'

Style: ABBH - ** - ** - F - F80



How to order:

ABBH - ** - ** - F - F80

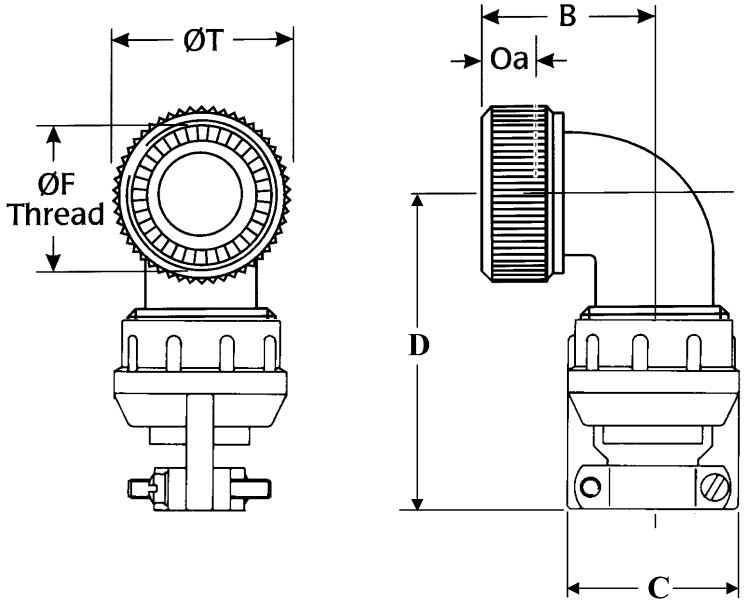
Shell size

Contact arrangement

Metric
Imperial

Shell Size	B Max	C Max	C1 Max	F Thread Dia. Class 2B	N Max	T Max	T1 Max	S Max	Oa Min Overlap Accessory
10SL	24,00 **0.945**	30,00 **1.181**	100,00 **3.937**	$^{5}/_{8}$" x 24 UNEF	42,00 **1.654**	22,00 **0.866**	22,70 **0.894**	5,76 **0.227**	7,00 **0.276**
14S	25,00 **0.984**	30,00 **1.181**	100,00 **3.937**	$^{3}/_{4}$" x 20 UNEF	42,00 **1.654**	25,00 **0.984**	27,50 **1.083**	8,10 **0.319**	7,00 **0.276**
16S	27,00 **1.063**	30,00 **1.181**	100,00 **3.937**	$^{7}/_{8}$" x 20 UNEF	45,00 **1.772**	28,00 **1.102**	30,00 **1.181**	11,30 **0.444**	7,00 **0.276**
16	27,00 **1.063**	30,00 **1.181**	100,00 **3.937**	$^{7}/_{8}$" x 20 UNEF	45,00 **1.772**	28,00 **1.102**	30,00 **1.181**	11,30 **0.444**	7,00 **0.276**
18	30,10 **1.224**	35,00 **1.378**	100,00 **3.937**	1" x 20 UNEF	53,00 **2.087**	31,00 **1.220**	33,00 **1.299**	14,45 **0.569**	7,00 **0.276**
20	33,00 **1.299**	35,00 **1.378**	100,00 **3.937**	$1^{1}/_{8}$" x 18 UNEF	53,00 **2.087**	35,00 **1.378**	37,50 **1.476**	16,00 **0.632**	7,00 **0.276**
22	33,10 **1.303**	35,00 **1.378**	100,00 **3.937**	$1^{1}/_{4}$" x 18 UNEF	53,00 **2.087**	38,00 **1.496**	37,50 **1.476**	16,00 **0.632**	7,00 **0.276**
24	37,90 **1.492**	40,00 **1.575**	100,00 **3.937**	$1^{3}/_{8}$" x 18 UNEF	58,00 **2.283**	41,00 **1.614**	43,30 **1.705**	19,23 **0.757**	7,00 **0.276**
28	37,10 **1.461**	40,00 **1.575**	100,00 **3.937**	$1^{5}/_{8}$" x 18 UNEF	58,00 **2.283**	48,00 **1.890**	43,30 **1.705**	19,23 **0.757**	7,00 **0.276**
32	43,10 **1.697**	45,00 **1.772**	110,00 **4.331**	$1^{7}/_{8}$" x 16 UN	66,00 **2.598**	54,00 **2.126**	51,70 **2.035**	23,98 **0.944**	7,00 **0.276**
36	45,90 **1.807**	50,00 **1.969**	110,00 **4.331**	$2^{1}/_{16}$" x 16 UNS	69,00 **2.717**	61,00 **2.402**	58,00 **2.283**	31,93 **1.257**	7,00 **0.276**
40	49,00 **1.929**	54,60 **2.150**	100,00 **3.937**	$2^{5}/_{16}$" x 16 UN	85,50 **3.366**	67,00 **2.638**	65,00 **2.559**	35,10 **1.382**	7,00 **0.276**

Locking 90⁰ Outlet, Sealed Cable Clamp & Grommet
Accessory Type 'FC'
Style: ABBH - ** - ** - FC - F80



How to order:

ABBH - ** - ** - FC - F80

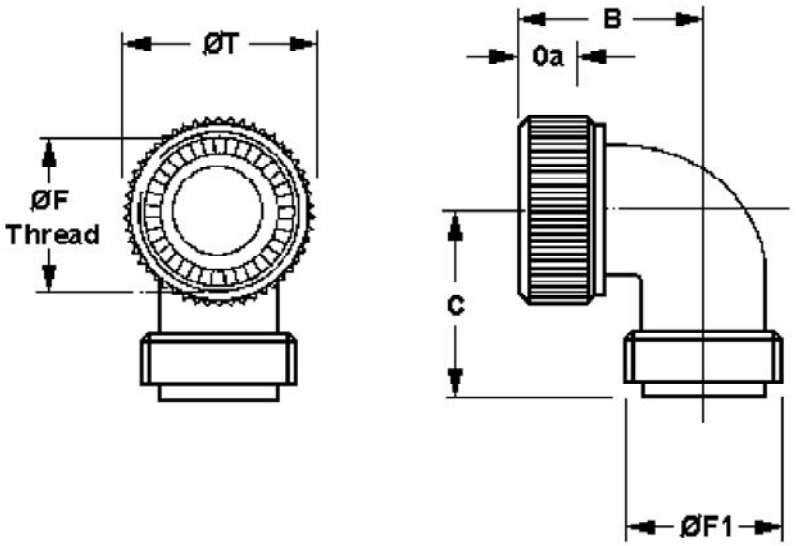
Shell size

Contact arrangement

Metric
Imperial

Shell Size	B Max	C Max	D Max	F Thread Dia. Class 2B	T Max	Oa Min Overlap Accessory
10SL	24,00 **0.945**	23,80 **0.937**	61,00 **2.402**	5/8" x 24 UNEF	22,00 **0.866**	7,00 **0.276**
14S	25,00 **0.984**	26,97 **1.062**	61,00 **2.402**	3/4" x 20 UNEF	25,00 **0.984**	7,00 **0.276**
16S	27,00 **1.063**	30,18 **1.188**	61,00 **2.402**	7/8" x 20 UNEF	28,00 **1.102**	7,00 **0.276**
16	27,00 **1.063**	30,18 **1.188**	61,00 **2.402**	7/8" x 20 UNEF	28,00 **1.102**	7,00 **0.276**
18	30,10 **1.224**	33,32 **1.312**	68,00 **2.677**	1" x 20 UNEF	31,00 **1.220**	7,00 **0.276**
20	33,00 **1.299**	39,67 **1.562**	68,00 **2.677**	1 1/8" x 18 UNEF	35,00 **1.378**	7,00 **0.276**
22	33,10 **1.303**	39,67 **1.562**	68,00 **2.677**	1 1/4" x 18 UNEF	38,00 **1.496**	7,00 **0.276**
24	37,90 **1.492**	44,45 **1.750**	76,00 **2.992**	1 3/8" x 18 UNEF	41,00 **1.614**	7,00 **0.276**
28	37,10 **1.461**	44,45 **1.750**	76,00 **2.992**	1 5/8" x 18 UNEF	48,00 **1.890**	7,00 **0.276**
32	43,10 **1.697**	57,15 **2.250**	87,00 **3.425**	1 7/8" x 16 UN	54,00 **2.126**	7,00 **0.276**
36	45,90 **1.807**	60,33 **2.375**	98,00 **3.858**	2 1/16" x 16 UNS	61,00 **2.402**	7,00 **0.276**
40	49,00 **1.929**	66,68 **2.625**	103,00 **4.055**	2 5/16" x 16 UN	67,00 **2.638**	7,00 **0.276**

Locking 90⁰ Outlet With Grommet
Accessory Type 'FT'
Style: ABBH - ** - ** - FT - F80



How to order:

ABBH - ** - ** - FT - F80

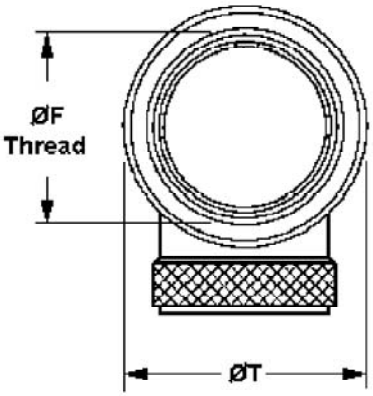
Shell size

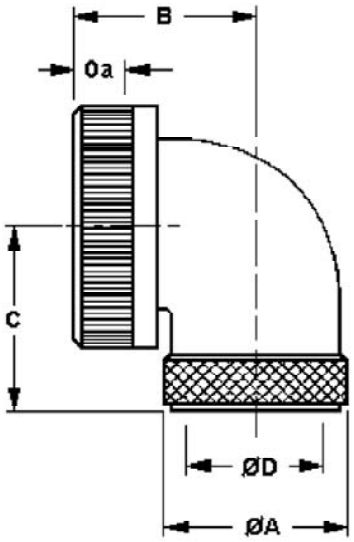
Contact arrangement

Metric
Imperial

Shell Size	B Max	C Max	F Thread Dia. Class 2B	F1 Thread Dia. Class 2A	T Max	Oa Min Overlap Accessory
10SL	24,00 **0.945**	30,00 **1.181**	5/8" x 24 UNEF	5/8'' x 24 UNEF	22,00 **0.866**	7,00 **0.276**
14S	25,00 **0.984**	30,00 **1.181**	3/4" x 20 UNEF	3/4'' x 20 UNEF	25,00 **0.984**	7,00 **0.276**
16S	27,00 **1.063**	30,00 **1.181**	7/8" x 20 UNEF	7/8'' x 20 UNEF	28,00 **1.102**	7,00 **0.276**
16	27,00 **1.063**	30,00 **1.181**	7/8" x 20 UNEF	7/8'' x 20 UNEF	28,00 **1.102**	7,00 **0.276**
18	30,10 **1.224**	35,00 **1.378**	1" x 20 UNEF	1'' x 20 UNEF	31,00 **1.220**	7,00 **0.276**
20	33,00 **1.299**	35,00 **1.378**	1 1/8" x 18 UNEF	1 3/16'' x 18 UNEF	35,00 **1.378**	7,00 **0.276**
22	33,10 **1.303**	35,00 **1.378**	1 1/4" x 18 UNEF	1 3/16'' x 18 UNEF	38,00 **1.496**	7,00 **0.276**
24	37,90 **1.492**	40,00 **1.575**	1 3/8" x 18 UNEF	1 7/16'' x 18 NEF	41,00 **1.614**	7,00 **0.276**
28	37,10 **1.461**	40,00 **1.575**	1 5/8" x 18 UNEF	1 7/16'' x 18 NEF	48,00 **1.890**	7,00 **0.276**
32	43,10 **1.697**	45,00 **1.772**	1 7/8" x 16 UN	1 3/4'' x 18 UNS	54,00 **2.126**	7,00 **0.276**
36	45,90 **1.807**	50,00 **1.969**	2 1/16" x 16 UNS	2" x 18 UNS	61,00 **2.402**	7,00 **0.276**
40	49,00 **1.929**	54,60 **2.150**	2 5/16" x 16 UN	2 1/4'' x 16 UN	67,00 **2.638**	7,00 **0.276**

Locking 90⁰ Outlet RFI Shielded With Grommet
Accessory Type 'FM'
Style: ABBH - ** - ** - FM - F80





How to order:

ABBH - ** - ** - FM - F80

Shell size

Contact arrangement

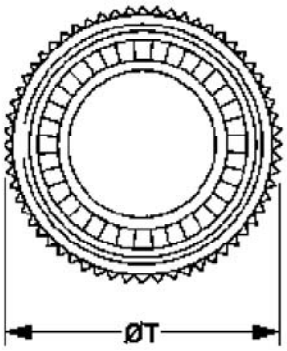
Metric
Imperial

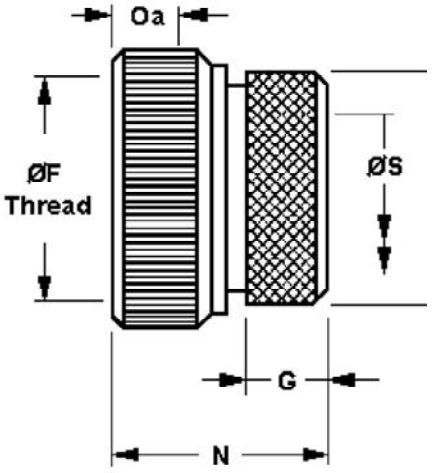
Shell Size	A Max	B Max	C Max	D Max	F Thread Dia. Class 2B	T Max	Oa Min Overlap Accessory
10SL	15,90 **0.626**	24,00 **0.945**	30,00 **1.181**	7,77 **0.306**	5/8" x 24 UNEF	22,00 **0.866**	7,00 **0.276**
14S	19,10 **0.764**	25,00 **0.984**	30,00 **1.181**	10,36 **0.408**	3/4" x 20 UNEF	25,00 **0.984**	7,00 **0.276**
16S	22,30 **0.878**	27,00 **1.063**	30,00 **1.181**	13,01 **0.512**	7/8" x 20 UNEF	28,00 **1.102**	7,00 **0.276**
16	22,30 **0.878**	27,00 **1.063**	30,00 **1.181**	13,01 **0.512**	7/8" x 20 UNEF	28,00 **1.102**	7,00 **0.276**
18	25,50 **1.004**	30,10 **1.224**	35,00 **1.378**	15,14 **0.596**	1" x 20 UNEF	31,00 **1.220**	7,00 **0.276**
20	30,20 **1.189**	33,00 **1.299**	35,00 **1.378**	18,10 **0.713**	1 1/8" x 18 UNEF	35,00 **1.378**	7,00 **0.276**
22	30,20 **1.189**	33,10 **1.303**	35,00 **1.378**	21,62 **0.851**	1 1/4" x 18 UNEF	38,00 **1.496**	7,00 **0.276**
24	36,60 **1.441**	37,90 **1.492**	40,00 **1.575**	25,10 **0.988**	1 3/8" x 18 UNEF	41,00 **1.614**	7,00 **0.276**
28	36,60 **1.441**	37,10 **1.461**	40,00 **1.575**	30,38 **1.196**	1 5/8" x 18 UNEF	48,00 **1.890**	7,00 **0.276**
32	44,50 **1.752**	43,10 **1.697**	45,00 **1.772**	36,48 **1.436**	1 7/8" x 16 UN	54,00 **2.126**	7,00 **0.276**
36	50,90 **2.004**	45,90 **1.807**	50,00 **1.969**	40,67 **1.601**	2 1/16" x 16 UNS	61,00 **2.402**	7,00 **0.276**
40	57,20 **2.252**	49,00 **1.929**	54,60 **2.150**	48,50 **1.909**	2 5/16" x 16 UN	67,00 **2.638**	7,00 **0.276**

Locking Heatshrink Adaptor With Grommet

Accessory Type 'G'

Style: ABBH - ** - ** - HSA - F80





How to order:

ABBH - ** - ** - HSA - F80

Shell size

Contact arrangement

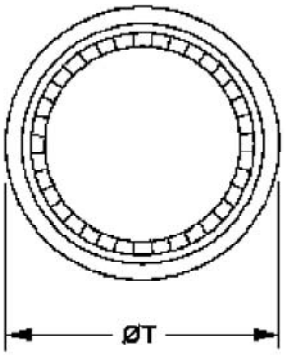
Metric
Imperial

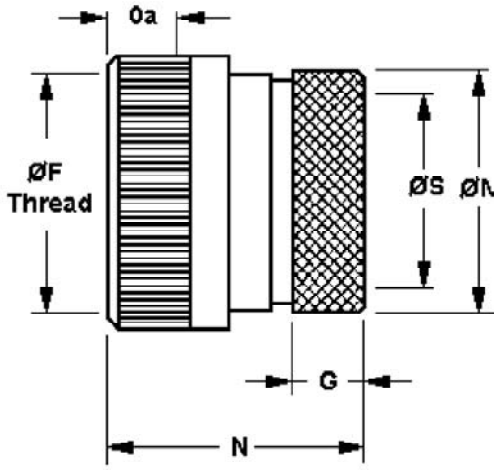
Shell Size	F Thread Dia. Class 2B	G Max	M Max	N Max	S Min	T Max	Oa Min Overlap Accessory
10SL	5/8" x 24 UNEF	8,20 **0.323**	15,70 **0.618**	28.46 **1.120**	7,70 **0.303**	22,00 **0.87**	7,00 **0.276**
14S	3/4" x 20 UNEF	8,20 **0.323**	19,30 **0.760**	28.46 **1.120**	10.60 **0.417**	25,00 **0.99**	7,00 **0.276**
16S	7/8" x 20 UNEF	8,20 **0.323**	24,10 **0.949**	28.46 **1.120**	13,50 **0.532**	28,00 **1.11**	7,00 **0.276**
16	7/8" x 20 UNEF	8,00 **0.315**	24,10 **0.949**	32.26 **1.270**	13,50 **0.532**	28,00 **1.11**	7,00 **0.276**
18	1" x 20 UNEF	8,00 **0.315**	24,10 **0.949**	32.26 **1.270**	14,60 **0.575**	31,00 **1.22**	7,00 **0.276**
20	1 1/8" x 18 UNEF	9,20 **0.362**	29,80 **1.173**	35.80 **1.409**	18,70 **0.736**	35,00 **1.38**	7,00 **0.276**
22	1 1/4" x 18 UNEF	9,20 **0.362**	29,80 **1.173**	35.80 **1.409**	20,80 **0.819**	38,00 **1.50**	7,00 **0.276**
24	1 3/8" x 18 UNEF	9,20 **0.362**	38,00 **1.496**	35.80 **1.409**	24,60 **0.969**	41,00 **1.62**	7,00 **0.276**
28	1 5/8" x 18 UNEF	9,20 **0.362**	38,00 **1.496**	35.76 **1.408**	27,00 **1.063**	48,00 **1.89**	7,00 **0.276**
32	1 7/8" x 16 UN	11,70 **0.461**	48,00 **1.890**	38.26 **1.506**	33,30 **1.311**	54,00 **2.13**	7,00 **0.276**
36	2 1/16" x 16 UNS	11,70 **0.461**	48,00 **1.890**	39.26 **1.546**	38,50 **1.516**	61,00 **2.40**	7,00 **0.276**
40	2 5/16" x 16 UN	12,10 **0.476**	57,95 **2.281**	38.30 **1.508**	48,10 **1.894**	67,00 **2.638**	7,00 **0.276**

Locking RFI Shielded Adaptor With Grommet

Accessory Type 'GM'

Style: ABBH - ** - ** - LHSA - F80





How to order:

ABBH - ** - ** - LHSA - F80

Shell size

Contact arrangement

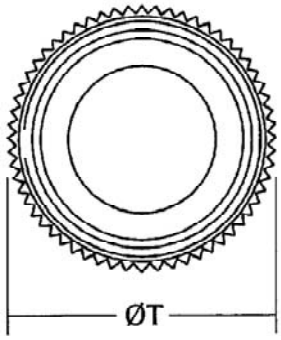
Metric
Imperial

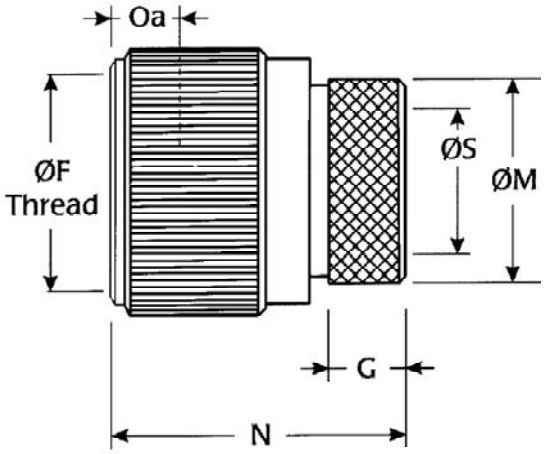
Shell Size	F Thread Dia. Class 2B	G Max	M Max	N Max	S Min	T Max	Oa Min Overlap Accessory
10SL	5/8" x 24 UNEF	12,40 **0.488**	15,70 **0.618**	32.26 **1.270**	8,60 **0.339**	22,00 **0.87**	7,00 **0.276**
14S	3/4" x 20 UNEF	12,40 **0.488**	19,30 **0.760**	32.26 **1.270**	11,10 **0.437**	25,00 **0.984**	7,00 **0.276**
16S	7/8" x 20 UNEF	12,40 **0.488**	24,10 **0.949**	32.26 **1.270**	14,30 **0.563**	28,00 **1.102**	7,00 **0.276**
16	7/8" x 20 UNEF	12,40 **0.488**	24,10 **0.949**	36.06 **1.420**	14,30 **0.563**	28,00 **1.102**	7,00 **0.276**
18	1" x 20 UNEF	12,40 **0.488**	24,10 **0.949**	36.06 **1.420**	16,70 **0.657**	31,00 **1.22**	7,00 **0.276**
20	1 1/8" x 18 UNEF	12,40 **0.488**	29,80 **1.173**	38.60 **1.520**	19,80 **0.780**	35,00 **1.38**	7,00 **0.276**
22	1 1/4" x 18 UNEF	12,40 **0.488**	29,80 **1.173**	38.60 **1.520**	21,34 **0.840**	38,00 **1.50**	7,00 **0.276**
24	1 3/8" x 18 UNEF	12,40 **0.488**	38,00 **1.496**	38.60 **1.520**	25,40 **1.000**	41,00 **1.62**	7,00 **0.276**
28	1 5/8" x 18 UNEF	12,40 **0.488**	38,00 **1.496**	38.56 **1.518**	30,13 **1.186**	48,00 **1.89**	7,00 **0.276**
32	1 7/8" x 16 UN	12,10 **0.476**	48,00 **1.890**	38.26 **1.506**	36,73 **1.446**	54,00 **2.13**	7,00 **0.276**
36	2 1/16" x 16 UNS	12,10 **0.476**	48,00 **1.890**	39.26 **1.546**	41,00 **1.614**	61,00 **2.40**	7,00 **0.276**
40	2 5/16" x 16 UN	12,10 **0.476**	57,95 **2.281**	38.30 **1.508**	48,10 **1.894**	67,00 **2.638**	7,00 **0.276**

Non-Locking Heatshrink Adaptor, Grommet & Follower

Accessory Type 'GS'

Style: ABBH - ** - ** - HSAS - F80





How to order:

ABBH - ** - ** - HSAS - F80

Shell size

Contact arrangement

Metric
Imperial

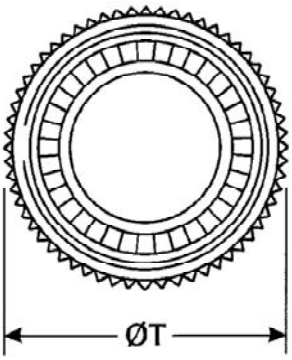
Shell Size	F Thread Dia. Class 2B	M Max	G Max	N Max	S Min	T Max	Oa Min Overlap Accessory
***10SL**	-	-	-	-	-	-	-
***14S**	-	-	-	-	-	-	-
***16S**	-	-	-	-	-	-	-
***16**	-	-	-	-	-	-	-
18	1" x 20 UNEF	24,10 **0.949**	11,90 **0.469**	45,30 **1.783**	14,70 **0.579**	28,60 **1.126**	7,34 **0.289**
20	$1^{1}/_{8}$" x18 UNEF	29,80 **1.173**	11,90 **0.469**	51,10 **2.012**	18,70 **0.736**	31,85 **1.254**	7,34 **0.289**
22	$1^{1}/_{4}$" x 18 UNEF	29,80 **1.173**	11,90 **0.469**	51,10 **2.012**	20,90 **0.823**	35,03 **1.379**	7,14 **0.281**
24	$1^{3}/_{8}$" x 18 UNEF	38,00 **1.496**	11,90 **0.469**	51,10 **2.012**	24,70 **0.972**	39,10 **1.539**	7,14 **0.281**
28	$1^{5}/_{8}$" x 18 UNEF	38,00 **1.496**	11,90 **0.469**	51,10 **2.012**	27,10 **1.067**	45,60 **1.795**	6,34 **0.250**
32	$1^{7}/_{8}$" x 16 UN	48,00 **1.890**	11,90 **0.469**	51,10 **2.012**	33,40 **1.315**	50,80 **2.000**	7,40 **0.291**
36	$2^{1}/_{16}$" x 16 UNS	48,00 **1.890**	11,90 **0.469**	51,10 **2.012**	38,60 **1.520**	57,45 **2.262**	7,40 **0.291**
40	$2^{5}/_{16}$" x 16 UN	57,95 **2.281**	11,90 **0.469**	51,10 **2.012**	48,10 **1.894**	63,10 **2.484**	7,40 **0.291**

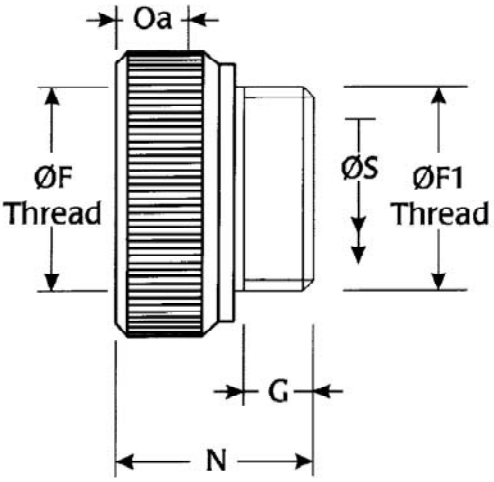
*Please consult factory for availability.

Locking Armoured Conduit Adaptor With Grommet

Accessory Type 'H'

Style: ABBH - ** - ** - ACA - F80





How to order:

ABBH - ** - ** - ACA - F80

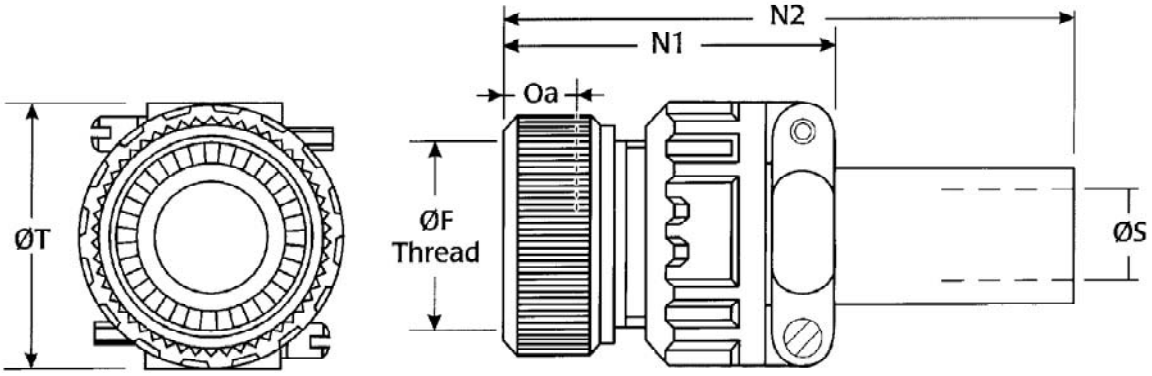
Shell size

Contact arrangement

Metric
Imperial

Shell Size	F Thread Dia. Class 2B	F1 Thread Dia. Class 2A	G Max	N Max	S Min	T Max	Oa Min Overlap Accessory
10SL	5/8" x 24 UNEF	5/8" x 24 UNEF	9,50 **0.374**	27,90 **1.098**	8,20 **0.323**	22,00 **0.87**	7,00 **0.276**
14S	3/4" x 20 UNEF	3/4" x 20 UNEF	9,50 **0.374**	27,90 **1.098**	11,10 **0.437**	25,00 **0.99**	7,00 **0.276**
16S	7/8" x 20 UNEF	7/8" x 20 UNEF	9,50 **0.374**	27,90 **1.098**	14,30 **0.563**	28,00 **1.11**	7,00 **0.276**
16	7/8" x 20 UNEF	7/8" x 20 UNEF	9,50 **0.374**	27,90 **1.098**	14,30 **0.563**	28,00 **1.11**	7,00 **0.276**
18	1" x 20 UNEF	1" x 20 UNEF	9,50 **0.374**	29,90 **1.177**	16,70 **0.657**	31,00 **1.22**	7,00 **0.276**
20	1 1/8" x18 UNEF	1 3/16'' x 18 NEF	9,50 **0.374**	29,90 **1.177**	19,80 **0.780**	35,00 **1.38**	7,00 **0.276**
22	1 1/4" x 18 UNEF	1 3/16'' x 18 NEF	9,50 **0.374**	29,90 **1.177**	19,80 **0.780**	38,00 **1.50**	7,00 **0.276**
24	1 3/8" x 18 UNEF	1 7/16'' x 18 NEF	9,50 **0.374**	29,90 **1.177**	25,40 **1.000**	41,00 **1.62**	7,00 **0.276**
28	1 5/8" x 18 UNEF	1 7/16'' x 18 NEF	9,50 **0.374**	30,00 **1.181**	27,00 **1.063**	48,00 **1.89**	7,00 **0.276**
32	1 7/8" x 16 UN	1 3/4'' x 18 NS	11,00 **0.433**	28,90 **1.138**	32,50 **1.280**	54,00 **2.13**	7,00 **0.276**
36	2 1/16" x 16 UNS	2'' x 18 NS	11,80 **0.464**	28,90 **1.138**	35,70 **1.406**	61,00 **2.40**	7,00 **0.276**
40	2 5/16" x 16 UN	2 1/4'' x 16 UN	11,80 **0.464**	28,90 **1.138**	45,00 **1.772**	67,00 **2.638**	7,00 **0.276**

Locking Cable Clamp With Grommet
Accessory Type 'HC'
Style: ABBH - ** - ** - HC - F80



How to order:

ABBH - ** - ** - HC - F80

Shell size

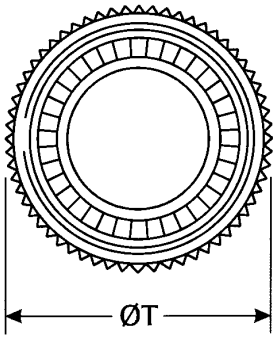
Contact arrangement

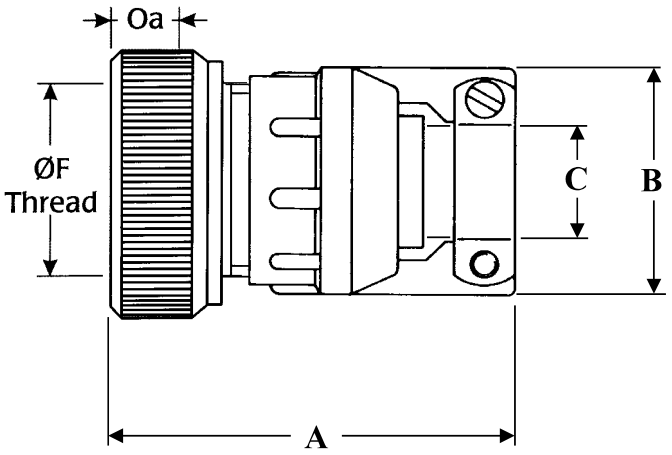
Metric
Imperial

Note.
Clamp & bush are available separately. See pages 74 & 76 respectively.

Shell Size	F Thread Dia. Class 2B	N1 Max	N2 Max	S	T Max	Oa Min Overlap Accessory
10SL	5/8" x 24 UNEF	40,10 **1.58**	100,10 **3.94**	5.59 **0.220**	22,70 **0.90**	7,00 **0.276**
14S	3/4" x 20 UNEF	41,70 **1.65**	96,70 **3.81**	7.92 **0.312**	27,50 **1.09**	7,00 **0.276**
16S	7/8" x 20 UNEF	43,50 **1.72**	98,50 **3.88**	11.10 **0.437**	30,00 **1.19**	7,00 **0.276**
16	7/8" x 20 UNEF	43,50 **1.72**	93,50 **3.68**	11.10 **0.437**	30,00 **1.19**	7,00 **0.276**
18	1" x 20 UNEF	50,00 **1.97**	95,00 **3.74**	14.27 **0.562**	33,00 **1.30**	7,00 **0.276**
20	1 1/8" x 18 UNEF	45,50 **1.80**	90,50 **3.57**	15.88 **0.625**	37,50 **1.48**	7,00 **0.276**
22	1 1/4" x 18 UNEF	45,50 **1.80**	90,50 **3.57**	15.88 **0.625**	37,50 **1.48**	7,00 **0.276**
24	1 3/8" x 18 UNEF	47,50 **1.87**	77,50 **3.05**	19.05 **0.750**	43,30 **1.71**	7,00 **0.276**
28	1 5/8" x 18 UNEF	47,60 **1.88**	77,60 **3.06**	19.05 **0.750**	43,30 **1.71**	7,00 **0.276**
32	1 7/8" x 16 UN	46,50 **1.83**	76,50 **3.02**	23.80 **0.937**	51,70 **2.04**	7,00 **0.276**
36	2 1/16" x 16 UNS	46,40 **1.826**	76,40 **3.01**	31.75 **1.250**	58,00 **2.29**	7,00 **0.276**
40	2 5/16" x 16 UN	59,80 **2.35**	73,80 **2.90**	34.92 **1.375**	65,00 **2.56**	7,00 **0.276**

Locking Sealed Cable Clamp With Grommet
Accessory Type 'HD'
Style: ABBH - ** - ** - HD - F80





How to order:

ABBH - ** - ** - HD - F80

Shell size

Contact arrangement

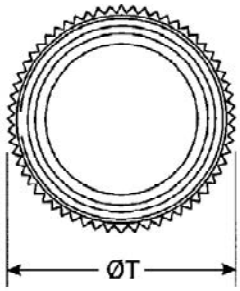
Metric
Imperial

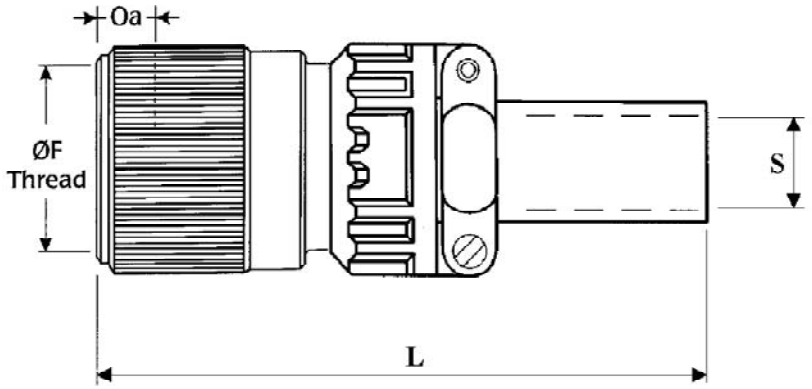
Shell Size	A Max	B	C Max	C Min	F Thread Dia. Class 2B	T Max	Oa Min Overlap Accessory
10SL	58,87 **2.318**	23,80 **0.937**	7,93 **0.312**	2,38 **0.094**	$^{5}/_{8}$" x 24 UNEF	22,00 **0.866**	7,00 **0.276**
14S	58,87 **2.318**	26,97 **1.062**	11,12 **0.438**	6,35 **0.250**	$^{3}/_{4}$" x 20 UNEF	25,00 **0.984**	7,00 **0.276**
16S	58,87 **2.318**	30,18 **1.188**	13,48 **0.531**	7,92 **0.312**	$^{7}/_{8}$" x 20 UNEF	28,00 **0.984**	7,00 **0.276**
16	58,87 **2.318**	30,18 **1.188**	13,48 **0.531**	7,92 **0.312**	$^{7}/_{8}$" x 20 UNEF	28,00 **0.984**	7,00 **0.276**
18	62,44 **2.458**	33,32 **1.312**	15,87 **0.625**	9,53 **0.375**	1" x 20 UNEF	31,00 **1.220**	7,00 **0.276**
20	62,44 **2.458**	39,21 **1.562**	19,00 **0.748**	12,70 **0.500**	$1^{1}/_{8}$" x 18 UNEF	35,00 **1.378**	7,00 **0.276**
22	62,44 **2.458**	39,21 **1.562**	19,00 **0.748**	12,70 **0.500**	$1^{1}/_{4}$" x 18 UNEF	38,00 **1.496**	7,00 **0.276**
24	65,61 **2.583**	44,45 **1.750**	23,80 **0.937**	15,09 **0.594**	$1^{3}/_{8}$" x 18 UNEF	41,00 **1.614**	7,00 **0.276**
28	65,71 **2.587**	44,45 **1.750**	23,80 **0.937**	15,09 **0.594**	$1^{5}/_{8}$" x 18 UNEF	48,00 **1.890**	7,00 **0.276**
32	70,96 **2.794**	57,15 **2.250**	31,75 **1.250**	23,83 **0.938**	$1^{7}/_{8}$" x 16 UN	54,00 **2.126**	7,00 **0.276**
36	77,31 **3.044**	60,33 **2.375**	35,00 **1.378**	24,61 **0.969**	$2^{1}/_{16}$" x 16 UNS	61,00 **2.402**	7,00 **0.276**
40	77,31 **3.044**	66,68 **2.625**	41,25 **1.624**	30,18 **1.188**	$2^{5}/_{16}$" x 16 UN	67,00 **2.638**	7,00 **0.276**

Non-Locking Cable Clamp With Grommet & Follower

Accessory Type 'JE'

Style: ABBH - ** - ** - JE - F80





How to order:

ABBH - ** - ** - JE - F80

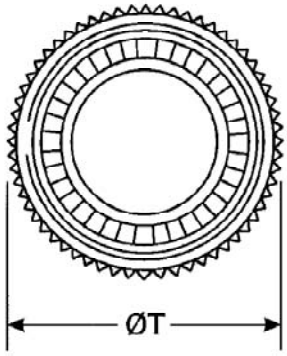
Shell size

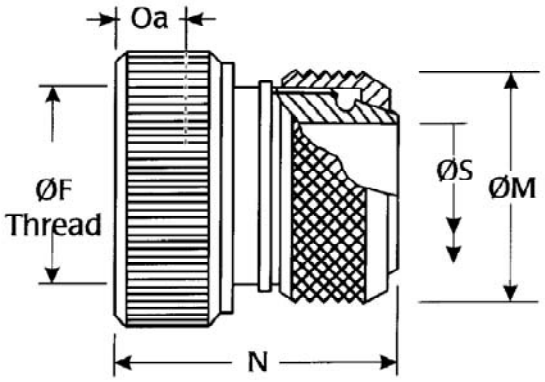
Contact arrangement

Metric
Imperial

Shell Size	F Thread dia. Class 2B	L Max	S	T Max	Oa Min Overlap Accessory
10SL	$^{5}/_{8}$" x 24 UNEF	99,13 **3.903**	5.59 **0.220**	19,10 **0.752**	7,00 **0.276**
14S	$^{3}/_{4}$" x 20 UNEF	95,96 **3.778**	7.92 **0.312**	22,10 **0.870**	7,00 **0.276**
16S	$^{7}/_{8}$" x 20 UNEF	92,78 **6.653**	11.10 **0.437**	25,50 **1.004**	7,00 **0.276**
16	$^{7}/_{8}$" x 20 UNEF	94,28 **3.712**	11.10 **0.437**	25,50 **1.004**	7,00 **0.276**
18	1" x 20 UNEF	97,51 **3.839**	14.27 **0.562**	28,60 **1.126**	7,34 **0.289**
20	$1^{1}/_{8}$" x18 UNEF	94,33 **3.714**	15.88 **0.625**	31,85 **1.254**	7,34 **0.289**
22	$1^{1}/_{4}$" x 18 UNEF	94,33 **3.714**	15.88 **0.625**	35,03 **1.379**	7,34 **0.289**
24	$1^{3}/_{8}$" x 18 UNEF	94,01 **3.701**	19.05 **0.750**	39,10 **1.539**	7,14 **0.281**
28	$1^{5}/_{8}$" x 18 UNEF	94,01 **3.701**	19.05 **0.750**	45,60 **1.795**	6,34 **0.250**
32	$1^{7}/_{8}$" x 16 UN	90,83 **3.576**	23.80 **0.937**	50,80 **2.000**	7,40 **0.291**
36	$2^{1}/_{16}$" x 16 UNS	87,67 **3.452**	31.75 **1.250**	57,45 **2.262**	7,40 **0.291**
40	$2^{5}/_{16}$" x 16 UN	84,43 **3.324**	34.92 **1.375**	63,10 **2.484**	6,34 **0.250**

Locking Screened Cable Adaptor With Grommet
Accessory Type 'M'
Style: ABBH - ** - ** - SCA - F80





How to order:

ABBH - ** - ** - SCA - F80

Shell size

Contact arrangement

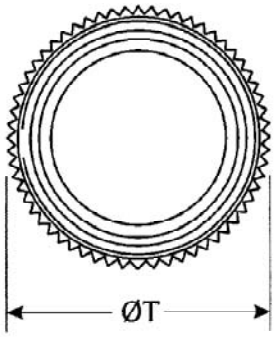
Metric
Imperial

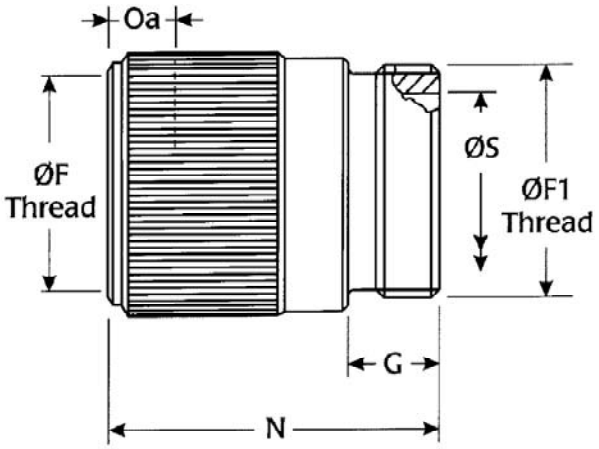
Shell Size	F Thread Dia. Class 2B	M Max	N Max	S Min	T Max	Oa Min Overlap Accessory
10SL	5/8" x 24 UNEF	19,00 **0.748**	31,30 **0.812**	8,60 **0.339**	22,00 **0.87**	7,00 **0.276**
14S	3/4" x 20 UNEF	22,50 **0.886**	33,90 **1.335**	10,60 **0.417**	25,00 **0.99**	7,00 **0.276**
16S	7/8" x 20 UNEF	25,50 **1.004**	33,90 **1.335**	13,50 **0.532**	28,00 **1.11**	7,00 **0.276**
16	7/8" x 20 UNEF	25,50 **1.004**	33,90 **1.335**	13,50 **0.532**	28,00 **1.11**	7,00 **0.276**
18	1" x 20 UNEF	25,50 **1.004**	36,90 **1.453**	14,60 **0.575**	31,00 **1.22**	7,00 **0.276**
20	1 1/8" x 18 UNEF	32,50 **1.280**	36,90 **1.453**	18,50 **0.728**	35,00 **1.38**	7,00 **0.276**
22	1 1/4" x 18 UNEF	34,50 **1.358**	36,90 **1.453**	20,80 **0.819**	38,00 **1.50**	7,00 **0.276**
24	1 3/8" x 18 UNEF	38,50 **1.516**	36,90 **1.453**	24,60 **0.969**	41,00 **1.62**	7,00 **0.276**
28	1 5/8" x 18 UNEF	41,50 **1.634**	35,90 **1.413**	27,00 **1.063**	48,00 **1.89**	7,00 **0.276**
32	1 7/8" x 16 UN	48,50 **1.910**	35,90 **1.413**	33,30 **1.311**	54,00 **2.13**	7,00 **0.276**
36	2 1/16" x 16 UNS	55,50 **2.185**	35,90 **1.413**	38,50 **1.516**	61,00 **2.40**	7,00 **0.276**
40	2 5/16" x 16 UN	62,50 **2.461**	35,90 **1.413**	45,00 **1.772**	67,00 **2.638**	7,00 **0.276**

Non-Locking Conduit Adaptor, Grommet & Follower

Accessory Type 'R'

Style: ABBH - ** - ** - CCA - F80





How to order:

ABBH - ** - ** - CCA - F80

Shell size

Contact arrangement

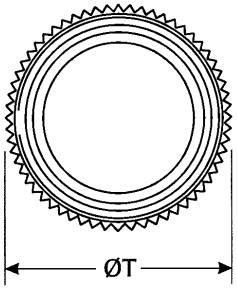
Metric
Imperial

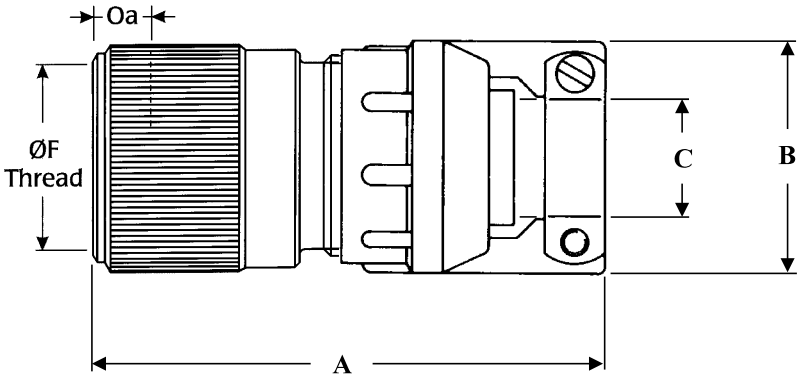
Shell Size	F Thread Dia. Class 2B	F1 Thread Dia. Class 2A	G Max	N Max	S Min	T Max	Oa Min Overlap Accessory
10SL	5/8" x 24 UNEF	5/8" x 24 UNEF	10,10 **0.398**	29,10 **1.146**	8,80 **0.346**	19,10 **0.752**	7.00 **0.276**
14S	3/4" x 20 UNEF	3/4" x 20 UNEF	10,10 **0.398**	29,10 **1.146**	11,30 **0.445**	22,10 **0.870**	7.00 **0.276**
16S	7/8" x 20 UNEF	7/8" x 20 UNEF	10,10 **0.398**	29,10 **1.146**	18,54 **0.730**	25,50 **1.004**	7.00 **0.276**
16	7/8" x 20 UNEF	7/8" x 20 UNEF	10,10 **0.398**	30,60 **1.205**	18,54 **0.730**	25,50 **1.004**	7.00 **0.276**
18	1" x 20 UNEF	1" x 20 UNEF	10,10 **0.398**	37,00 **1.457**	16,70 **0.657**	28,60 **1.126**	7,34 **0.289**
20	1 1/8" x18 UNEF	1 3/16'' x 18 UNEF	10,10 **0.398**	37,00 **1.457**	19,80 **0.780**	31,85 **1.254**	7,34 **0.289**
22	1 1/4" x 18 UNEF	1 3/16'' x 18 UNEF	10,10 **0.398**	37,00 **1.457**	19,80 **0.780**	35,03 **1.379**	7,34 **0.289**
24	1 3/8" x 18 UNEF	1 7/16'' x 18 UNEF	11,10 **0.437**	39,85 **1.569**	25,40 **1.000**	39,10 **1.539**	7,14 **0.281**
28	1 5/8" x 18 UNEF	1 7/16'' x 18 UNEF	11,10 **0.437**	39,85 **1.569**	30,13 **1.186**	45,60 **1.795**	6,34 **0.250**
32	1 7/8" x 16 UN	1 3/4'' x 18 UNS	11,10 **0.437**	39,85 **1.569**	32,50 **1.280**	50,80 **2.000**	7,40 **0.291**
36	2 1/16" x 16 UNS	2'' x 18 UNS	11,10 **0.437**	39,85 **1.569**	35,70 **1.406**	57,45 **2.262**	7,40 **0.291**
40	2 5/16" x 16 UN	2 1/4'' x 16 UN	11,10 **0.437**	39,85 **1.569**	45,00 **1.772**	63,10 **2.484**	6,34 **0.250**

Non-Locking Sealed Cable Clamp, Grommet & Follower

Accessory Type 'RC'

Style: ABBH -** - ** - RC - F80





How to order:

ABBH - ** - ** - RC - F80

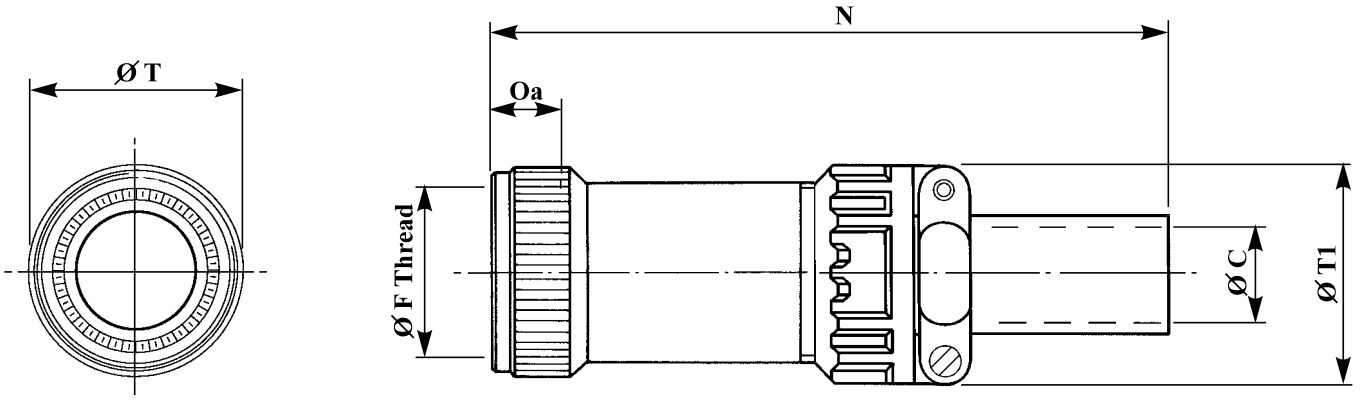
Shell size

Contact arrangement

Metric
Imperial

Shell Size	A Max	B	C Max	C Min	F Thread Dia. Class 2B	T Max	Oa Min Overlap Accessory
10SL	59,10 **2.327**	23,80 **0.937**	7,93 **0.312**	2,38 **0.094**	$^{5}/_{8}$" x 24 UNEF	19,10 **0.752**	7,00 **0.276**
14S	59,10 **2.327**	26,97 **1.062**	11,12 **0.438**	6,35 **0.250**	$^{3}/_{4}$" x 20 UNEF	22,10 **0.870**	7,00 **0.276**
16S	59,10 **2.327**	30,18 **1.188**	13,48 **0.531**	7,92 **0.312**	$^{7}/_{8}$" x 20 UNEF	25,50 **1.004**	7,00 **0.276**
16	60,60 **2.386**	30,18 **1.188**	13,48 **0.531**	7,92 **0.312**	$^{7}/_{8}$" x 20 UNEF	25,50 **1.004**	7,00 **0.276**
18	70,00 **2.756**	33,32 **1.312**	15,87 **0.625**	9,53 **0.375**	1" x 20 UNEF	28,60 **1.126**	7,34 **0.289**
20	70,00 **2.756**	39,21 **1.562**	19,00 **0.748**	12,70 **0.500**	$1^{1}/_{8}$" x 18 UNEF	31,85 **1.254**	7,34 **0.289**
22	70,00 **2.756**	39,21 **1.562**	19,00 **0.748**	12,70 **0.500**	$1^{1}/_{4}$" x 18 UNEF	35,03 **1.379**	7,34 **0.289**
24	75,85 **2.986**	44,45 **1.750**	23,80 **0.937**	15,09 **0.594**	$1^{3}/_{8}$" x 18 UNEF	39,10 **1.539**	7,14 **0.281**
28	75,85 **2.986**	44,45 **1.750**	23,80 **0.937**	15,09 **0.594**	$1^{5}/_{8}$" x 18 UNEF	45,60 **1.795**	6.34 **0.250**
32	81,85 **3.222**	57,15 **2.250**	31,75 **1.250**	23,83 **0.938**	$1^{7}/_{8}$" x 16 UN	50,80 **2.000**	7,40 **0.291**
36	88,85 **3.498**	60,33 **2.375**	35,00 **1.378**	24,61 **0.969**	$2^{1}/_{16}$" x 16 UNS	57,45 **2.262**	7,40 **0.291**
40	88,85 **3.498**	66,68 **2.625**	41,25 **1.624**	30,18 **1.188**	$2^{5}/_{16}$" x 16 UN	63,10 **2.484**	6.34 **0.250**

Long Backshell, Grommet, Cable Clamp & Bushing
Accessory Type 'XLA'
Style: ABBH - ** - ** - XLA - F80



How to order:

ABBH - ** - ** - XLA - F80

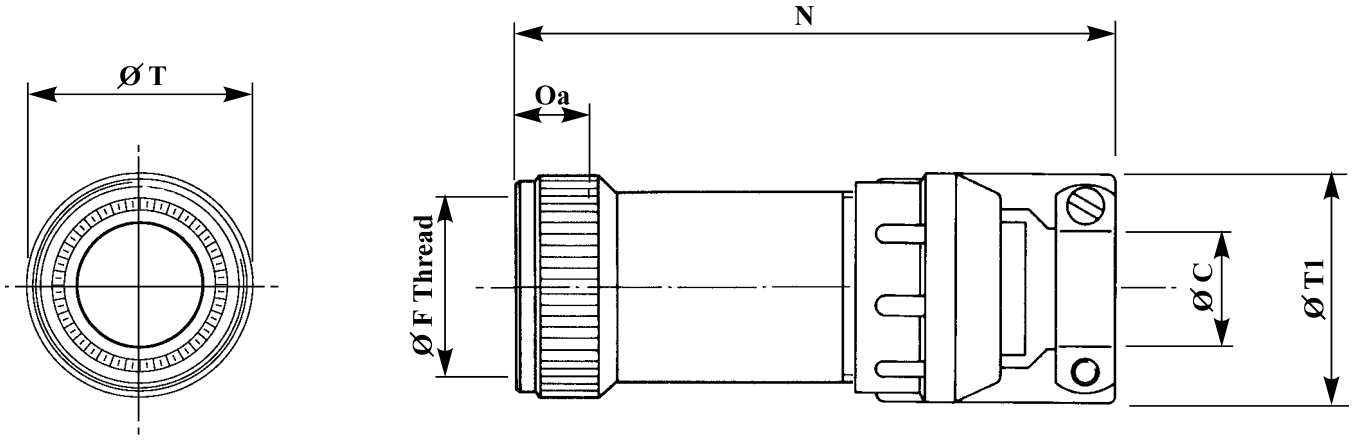
Shell size

Contact arrangement

Metric
Imperial

Shell Size	C	F Thread Dia. Class 2B	N	T Max	T1 Max	Oa Min Overlap Accessory
10SL	5,59 **0.220**	5/8" x 24 UNEF	118,35 **4.659**	22,00 **0.866**	22,70 **0.894**	7,00 **0.276**
14S	7,92 **0.312**	3/4" x 20 UNEF	115,18 **4.535**	25,00 **0.984**	27,50 **1.083**	7,00 **0.276**
16S	11,10 **0.437**	7/8" x 20 UNEF	112,00 **4.409**	28,00 **1.102**	30,00 **1.181**	7,00 **0.276**
16	11,10 **0.437**	7/8" x 20 UNEF	122,30 **4.815**	28,00 **1.102**	30,00 **1.181**	7,00 **0.276**
18	14,27 **0.562**	1" x 20 UNEF	119,13 **4.690**	31,00 **1.220**	33,00 **1.299**	7,00 **0.276**
20	15,88 **0.625**	1 1/8" x 18 UNEF	115,95 **4.565**	35,00 **1.378**	37,50 **1.476**	7,00 **0.276**
22	15,88 **0.625**	1 1/4" x 18 UNEF	115,95 **4.565**	38,00 **1.496**	37,50 **1.476**	7,00 **0.276**
24	19,05 **0.750**	1 3/8" x 18 UNEF	112,78 **4.440**	41,00 **1.614**	43,30 **1.704**	7,00 **0.276**
28	19,05 **0.750**	1 5/8" x 18 UNEF	119,78 **4.716**	48,00 **1.889**	43,30 **1.704**	7,00 **0.276**
32	23,80 **0.937**	1 7/8" x 16 UN	116,60 **4.591**	54,00 **2.126**	51,70 **2.035**	7,00 **0.276**
36	31,75 **1.250**	2 1/16" x 16 UNS	113,43 **4.466**	61,00 **2.402**	58,00 **2.283**	7,00 **0.276**
40	34,92 **1.375**	2 5/16" x 16 UN	110,20 **4.338**	67,00 **2.638**	65,00 **2.559**	7,00 **0.276**

Long Backshell, Grommet & Sealed Cable Clamp
Accessory Type 'XLC'
Style: ABBH - ** - ** - XLC - F80



How to order:

ABBH - ** - ** - XLC - F80

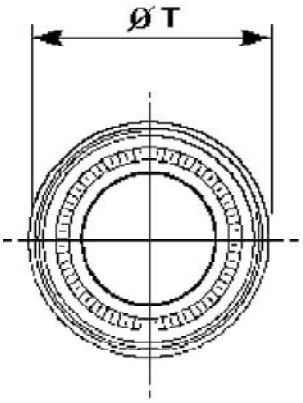
Shell size

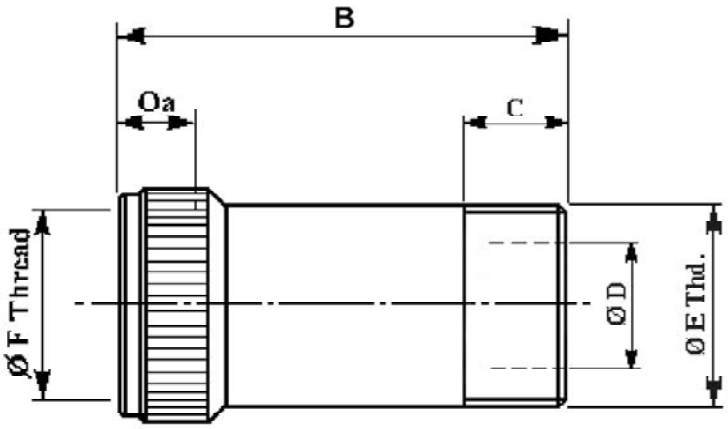
Contact arrangement

Metric
Imperial

Shell Size	C Max	C Min	F Thread Dia. Class 2B	N	T Max	T1 Max	Oa Min Overlap Accessory
10SL	7,93 **0.312**	2,38 **0.094**	5/8" x 24 UNEF	79,47 **3.129**	22,00 **0.866**	23,80 **0.937**	7,00 **0.276**
14S	11,12 **0.438**	6,35 **0.250**	3/4" x 20 UNEF	79,47 **3.129**	25,00 **0.984**	26,97 **1.062**	7,00 **0.276**
16S	13,48 **0.531**	7,92 **0.312**	7/8" x 20 UNEF	79,47 **3.129**	28,00 **1.102**	30,18 **1.188**	7,00 **0.276**
16	13,48 **0.531**	7,92 **0.312**	7/8" x 20 UNEF	91,33 **3.596**	28,00 **1.102**	30,18 **1.188**	7,00 **0.276**
18	15,87 **0.625**	9,53 **0.375**	1" x 20 UNEF	91,33 **3.596**	31,00 **1.220**	33,32 **1.312**	7,00 **0.276**
20	19,00 **0.748**	12,70 **0.500**	1 1/8" x 18 UNEF	91,33 **3.596**	35,00 **1.378**	39,67 **1.562**	7,00 **0.276**
22	19,00 **0.748**	12,70 **0.500**	1 1/4" x 18 UNEF	91,33 **3.596**	38,00 **1.496**	39,67 **1.562**	7,00 **0.276**
24	23,80 **0.937**	15,09 **0.594**	1 3/8" x 18 UNEF	94,51 **3.721**	41,00 **1.614**	44,45 **1.750**	7,00 **0.276**
28	23,80 **0.937**	15,09 **0.594**	1 5/8" x 18 UNEF	101,51 **3.996**	48,00 **1.889**	44,45 **1.750**	7,00 **0.276**
32	31,75 **1.250**	23,83 **0.938**	1 7/8" x 16 UN	107,86 **4.246**	54,00 **2.126**	57,15 **2.250**	7,00 **0.276**
36	35,00 **1.378**	24,61 **0.969**	2 1/16" x 16 UNS	114,21 **4.496**	61,00 **2.402**	60,33 **2.375**	7,00 **0.276**
40	41,25 **1.624**	30,18 **1.188**	2 5/16" x 16 UN	114,21 **4.496**	67,00 **2.638**	66,68 **2.625**	7,00 **0.276**

Long Back With Grommet
Accessory Type 'SHE'
Style: ABBH - ** - ** - SHE - F80





How to order:

ABBH - ** - ** - SHE - F80

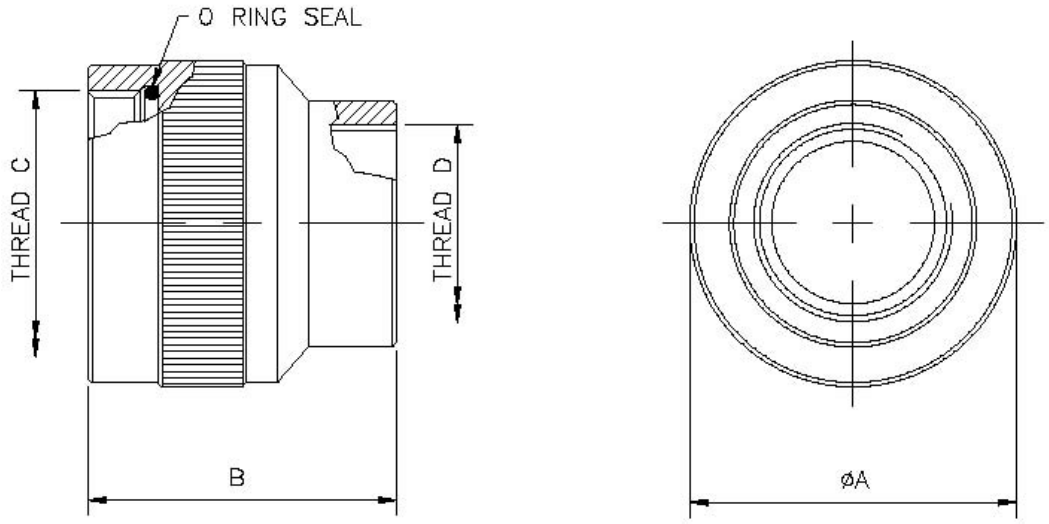
Shell size

Contact arrangement

Metric
Imperial

Shell Size	Ø T (Max.)	B	C ± 0.10	Ø D + 0 / - 0.10	Ø E Thd.	Ø F Thd.	0a (Min)
10SL	22,0 0.866	48,5 1.909	15,0 0.591	8,5 0.335	5/8" x 24 UNEF	5/8" x 24 UNEF	7,0 0.276
14S	25,0 0.984	48,5 1.909	15,0 0.591	11,7 0.461	3/4" x 20 UNEF	3/4" x 20 UNEF	7,0 0.276
16S	28,0 1.102	48,5 1.909	15,0 0.591	13,9 0.547	7/8" x 20 UNEF	7/8" x 20 UNEF	7,0 0.276
16	28,0 1.103	58,8 2.303	15,0 0.591	13,9 0.547	7/8" x 20 UNEF	7/8" x 20 UNEF	7,0 0.276
18	31,0 1.220	58,8 2.303	15,0 0.591	16,9 0.666	1" x 20 UNEF	1" x 20 UNEF	7,0 0.276
20	35,0 1.378	58,8 2.303	15,0 0.591	20,9 0.823	1 3/16" x 18 UNEF	1 1/8" x 18 UNEF	7,0 0.276
22	38,0 1.496	58,8 2.303	15,0 0.591	20,9 0.823	1 3/16" x 18 UNEF	1 1/4" x 18 UNEF	7,0 0.276
24	41,0 1.614	58,8 2.303	15,0 0.591	25,9 1.020	1 7/16" x 18 UNEF	1 3/8" x 18 UNEF	7,0 0.276
28	48,0 1.890	65,8 2.303	15,0 0.591	25,9 1.020	1 7/16" x 18 UNEF	1 5/8" x 18 UNEF	7,0 0.276
32	54,0 2.126	65,8 2.303	15,0 0.591	32,0 1.260	1 3/4" x 18 UNS	1 7/8" x 16 UN	7,0 0.276
36	61,0 2.402	65,8 2.303	15,0 0.591	36,9 1.453	2" x 18 UNS	2 1/16" x 16 UNS	7,0 0.276
40	67,0 2.638	65,8 2.303	15,0 0.591	44,9 1.768	2 1/4" x 16 UN	2 5/16" x 16 UN	7,0 0.276

PG Threaded Adaptors
(DIN 40430)

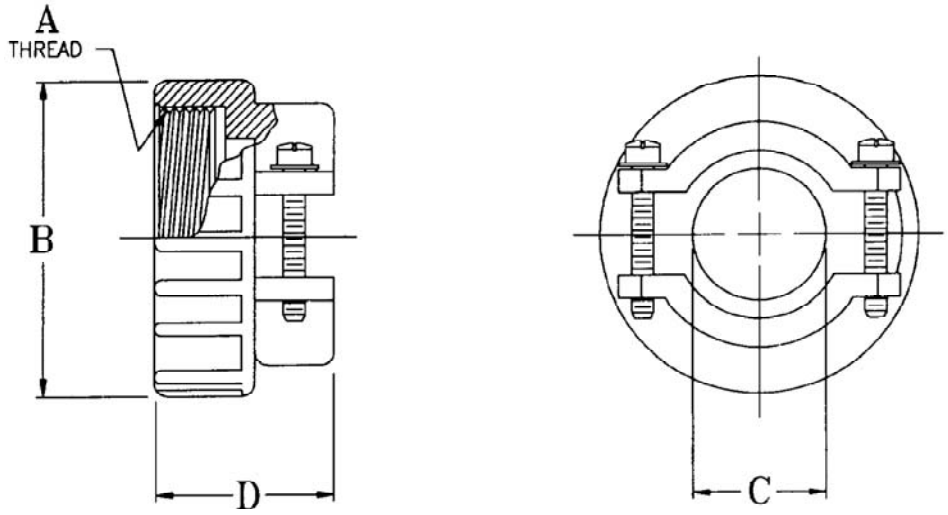


Metric
Imperial

Note. PG threaded adaptors are used in conjunction with straight and 90^0 backshell styles ACA, CCA, XL & FT.
For other sizes, please contact the Sales Office.

Part Number	Shell Size	Ø A	B	Thread C	Thread D
ABB-10SL-PGA-B	10SL	20,0 **0.787**	35,0 **1.378**	$^5/_8$" x 24 UNEF	PG 9
ABB-14S-PGA-B	14S - 14	23,5 **0.925**	35,0 **1.378**	$^3/_4$" x 20 UNEF	PG 9
ABB-16S-PGA-E	16S - 16	28,0 **1.102**	35,0 **1.378**	$^7/_8$" x 20 UNEF	PG 16
ABB-16S-PGA-F	16S - 16	34,0 **1.339**	40,0 **1.575**	$^7/_8$" x 20 UNEF	PG 21
ABB-18-PGA-F	18	34,0 **1.339**	40,0 **1.575**	1" x 20 UNEF	PG 21
ABB-20-PGA-E	20 - 22	37,0 **1.457**	35,0 **1.378**	$1^3/_{16}$" x 18 UNEF	PG 16
ABB-20-PGA-G	20 - 22	43,0 **1.693**	40,0 **1.575**	$1^3/_{16}$" x 18 UNEF	PG 29
ABB-24-PGA-F	24 - 28	43,0 **1.693**	40,0 **1.575**	$1^7/_{16}$" x 18 UNEF	PG 21
ABB-24-PGA-G	24 - 28	43,0 **1.693**	40,0 **1.575**	$1^7/_{16}$" x 18 UNEF	PG 29
ABB-24-PGA-H	24 - 28	54,0 **2.126**	46,0 **1.811**	$1^7/_{16}$" x 18 UNEF	PG 36
ABB-32-PGA-H	32	54,0 **2.126**	38,0 **1.496**	$1^3/_4$" x 18 UNS	PG 36
ABB-36-PGA-H	36	57,2 **2.252**	50,0 **1.969**	2" x 18 UNS	PG 36
ABB-40-PGA-J	40	65,0 **2.559**	51,0 **2.008**	$2^1/_4$" x 16 UN	PG 42

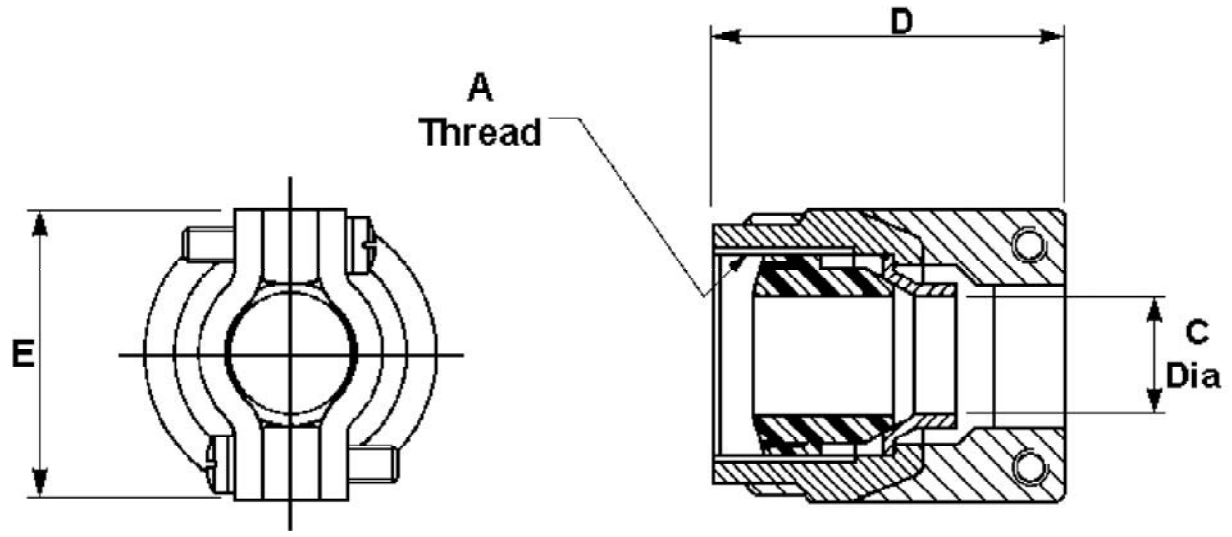
Cable Clamp
Style: MS 3057A



Metric
Imperial

Shell Size	MS3057 Reference	AB Connectors Part Number	A Thread Dia. Class 2A	B Max	C Max	D Max
10SL	**-4A**	**CMSP3057A10SL**	5/8" x 24 UNEF	21,41 **0.843**	7,95 **0.313**	21,41 **0.843**
14S	**-6A**	**CMSP3057A14S**	3/4" x 20 UNEF	25,40 **1.000**	11,13 **0.438**	23,01 **0.906**
16S	**-8A**	**CMSP3057A16S**	7/8" x 20 UNEF	28,58 **1.125**	14,30 **0.563**	24,61 **0.969**
16	**-8A**	**CMSP3057A16**	7/8" x 20 UNEF	28,58 **1.125**	14,30 **0.563**	24,61 **0.969**
18	**-10A**	**CMSP3057A18**	1" x 20 UNEF	30,96 **1.219**	15,88 **0.625**	24,61 **0.969**
20	**-12A**	**CMSP3057A20**	1 3/16" x 18 UNEF	35,71 **1.406**	19,05 **0.750**	24,61 **0.969**
22	**-12A**	**CMSP3057A22**	1 3/16" x 18 UNEF	35,71 **1.406**	19,05 **0.750**	24,61 **0.969**
24	**-16A**	**CMSP3057A24**	1 7/16" x 18 UNEF	42,85 **1.687**	23,83 **0.938**	26,97 **1.062**
28	**-16A**	**CMSP3057A28**	1 7/16" x 18 UNEF	42,85 **1.687**	23,83 **0.938**	26,97 **1.062**
32	**-20A**	**CMSP3057A32**	1 3/4" x 18 UNS	52,37 **2.062**	31,75 **1.250**	28,58 **1.125**
36	**-24A**	**CMSP3057A36**	2" x 18 UNS	57,15 **2.250**	34,93 **1.375**	30,15 **1.187**
40	**-28A**	**CMSP3057A40**	2 1/4" x 16 UN	64,29 **2.531**	41,28 **1.625**	43,66 **1.719**

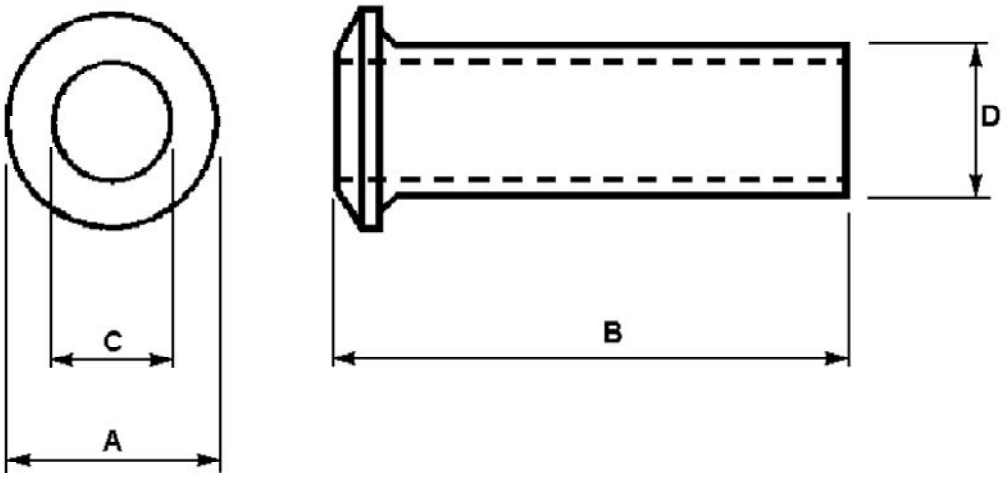
Sealed Cable Clamp For Jacketed Cable
Style: MS 3057C



Metric
Imperial

Shell Size	MS3057 Reference	AB Connectors Part Number	A Thread Dia. Class 2A	C Dia. Max	C Dia. Min	D Max	E Max
10SL	**-4C**	**CMSP3057C10SL**	$^{5}/_{8}$" x 24 UNEF	7,93 **0.312**	2,38 **0.094**	34,93 **1.375**	23,80 **0.937**
14S	**-6C**	**CMSP3057C14S**	$^{3}/_{4}$" x 20 UNEF	11,12 **0.438**	6,35 **0.250**	34,93 **1.375**	26,97 **1.062**
16S	**-8C**	**CMSP3057C16S**	$^{7}/_{8}$" x 20 UNEF	13,48 **0.531**	7,92 **0.312**	34,93 **1.375**	30,18 **1.188**
16	**-8C**	**CMSP3057C16**	$^{7}/_{8}$" x 20 UNEF	13,48 **0.531**	7,92 **0.312**	34,93 **1.375**	30,18 **1.188**
18	**-10C**	**CMSP3057C18**	1" x 20 UNEF	15,87 **0.625**	9,53 **0.375**	36,50 **1.437**	33,32 **1.312**
20	**-12C**	**CMSP3057C20**	$1^{3}/_{16}$'' x 18 UNEF	19,00 **0.748**	12,70 **0.500**	36,50 **1.437**	39,21 **1.562**
22	**-12C**	**CMSP3057C22**	$1^{3}/_{16}$'' x 18 UNEF	19,00 **0.748**	12,70 **0.500**	36,50 **1.437**	39,21 **1.562**
24	**-16C**	**CMSP3057C24**	$1^{7}/_{16}$'' x 18 UNEF	23,80 **0.937**	15,09 **0.594**	39,67 **1.562**	44,45 **1.750**
28	**-16C**	**CMSP3057C28**	$1^{7}/_{16}$'' x 18 UNEF	23,80 **0.937**	15,09 **0.594**	39,67 **1.562**	44,45 **1.750**
32	**-20C**	**CMSP3057C32**	$1^{3}/_{4}$'' x 18 UNS	31,75 **1.250**	23,83 **0.938**	46,02 **1.812**	57,15 **2.250**
36	**-24C**	**CMSP3057C36**	2'' x 18 UNS	35,00 **1.378**	24,61 **0.969**	52,37 **2.062**	60,33 **2.375**
40	**-28C**	**CMSP3057C40**	$2^{1}/_{4}$'' x 16 UN	41,25 **1.624**	30,18 **1.188**	52,37 **2.062**	66,68 **2.625**

Telescopic Bushing

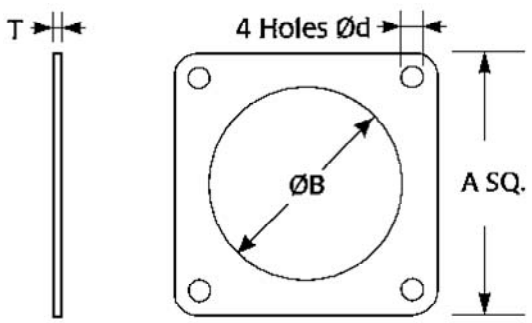


Metric
Imperial

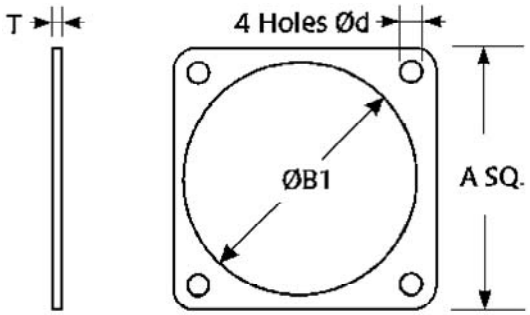
Note
The bushings can fit inside one another to reduce the cable entry diameter and improving clamping and sealing.

Shell Size	Part Number	A	B	C	D
10SL	**SBMSH5541**	12,83 **0.505**	69,85 **2.750**	5,59 **0.220**	7,62 **0.300**
14S	**SBMSH5542**	15,88 **0.625**	66,68 **2.625**	7,92 **0.312**	10,80 **0.425**
16S	**SBMSH5543**	19,05 **0.750**	63,50 **2.500**	11,10 **0.437**	13,97 **0.550**
16	**SBMSH5543**	19,05 **0.750**	63,50 **2.500**	11,10 **0.437**	13,97 **0.550**
18	**SBMSH5544**	22,23 **0.875**	60,33 **2.375**	14,27 **0.562**	15,57 **0.613**
20	**SBMSH5545**	25,40 **1.000**	57,15 **2.250**	15,88 **0.625**	18,75 **0.738**
22	**SBMSH5546**	28,58 **1.125**	57,15 **2.250**	15,88 **0.625**	18,75 **0.738**
24	**SBMSH5547**	31,75 **1.250**	53,98 **2.125**	19,05 **0.750**	23,50 **0.925**
28	**SBMSH5548**	38,23 **1.505**	53,98 **2.125**	19,05 **0.750**	23,50 **0.925**
32	**SBMSH5549**	44,45 **1.750**	50,80 **2.000**	23,80 **0.937**	31,45 **1.238**
36	**SBMSH55410**	47,88 **1.885**	47,63 **1.875**	31,75 **1.250**	34,62 **1.363**
40	**SBMSH55411**	52,90 **2.083**	44,40 **1.748**	34,92 **1.375**	40,99 **1.614**

Panel Sealing Gaskets
Non-Screening, Sealing Only
RFI Conductive Screening & Sealing



Front Mounted Receptacle
Part Number:
Non-Screening- SB - ** - RPG
RFI Screening- SB - ** - RPGS



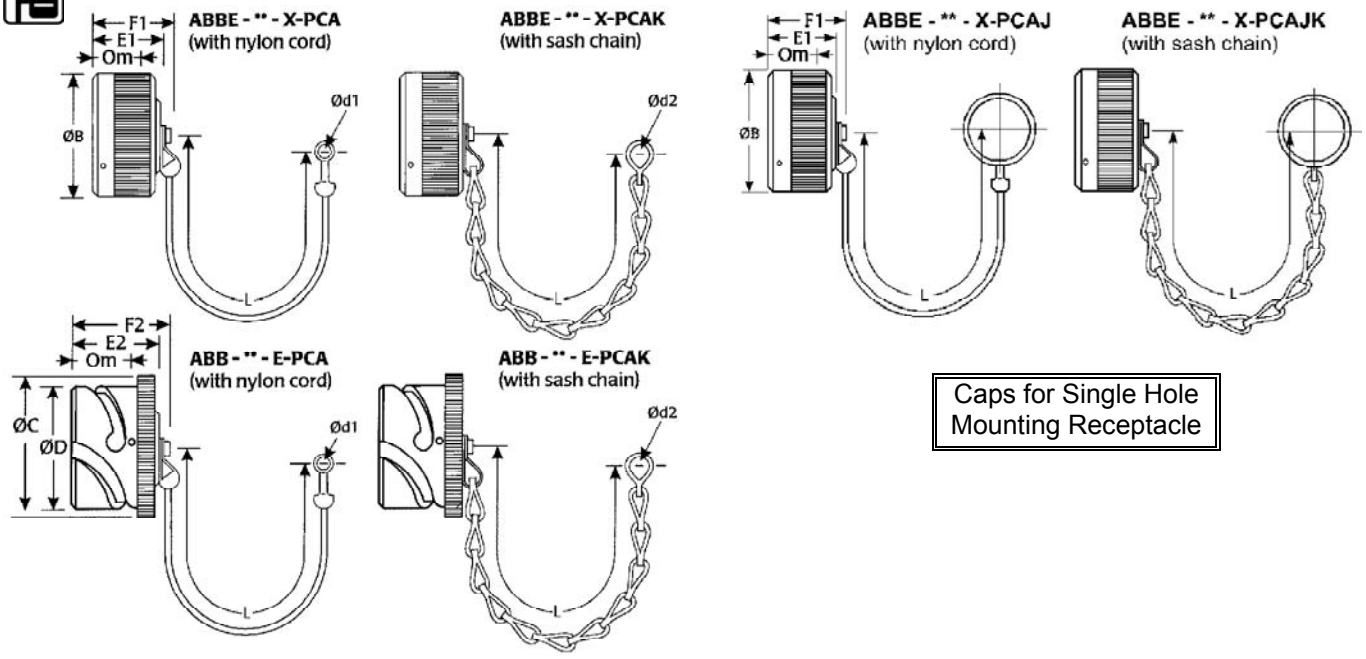
Rear Mounted Receptacle
Part Number:
Non-Screening- SB - ** - FPG
RFI Screening- SB - ** - FPGS

Metric
Imperial

Shell size	A Min	B Nominal	B1 Nominal	d Min	T Nominal
10SL	25,40 **1.000**	15,88 **0.625**	18,30 **0.720**	3,43 **0.135**	1,00 **0.040**
14S	30,20 **1.188**	19,00 **0.750**	24,70 **0.972**	3,43 **0.135**	1,00 **0.040**
16S	32,50 **1.280**	22,20 **0.875**	27,50 **1.083**	3,43 **0.135**	1,00 **0.040**
16	32,50 **1.280**	22,20 **0.875**	27,50 **1.083**	3,43 **0.135**	1,00 **0.040**
18	34,90 **1.375**	25,40 **1.000**	30,90 **1.217**	3,43 **0.135**	1,00 **0.040**
20	38,10 **1.500**	28,60 **1.125**	34,30 **1.350**	3,43 **0.135**	1,00 **0.040**
22	41,30 **1.625**	31,70 **1.250**	37,50 **1.476**	3,43 **0.135**	1,00 **0.040**
24	44,50 **1.750**	34,90 **1.375**	41,00 **1.614**	4,12 **0.162**	1,00 **0.040**
28	50,80 **2.000**	41,30 **1.625**	46,80 **1.843**	4,12 **0.162**	1,00 **0.040**
32	57,20 **2.250**	47,60 **1.875**	53,50 **2.106**	4,78 **0.188**	1,00 **0.040**
36	63,50 **2.500**	52,60 **2.071**	59,70 **2.350**	4,78 **0.188**	1,00 **0.040**
40	69,90 **2.750**	61,90 **2.440**	65,50 **2.580**	5,10 **2.010**	1,00 **0.040**
***49**	110,00 **4.331**	98,10 **3.862**	98,10 **3.862**	7,90 **0.311**	1,25 **0.049**

* Size 49 is available as non-screened version only.

Protective Caps
Styles: ABBE-**-X-PCA / X-PCAK & X-PCAJ / X-PCAJK
ABB-**-E-PCA / E-PCAK



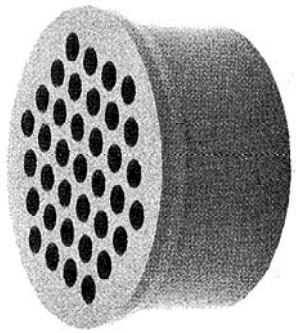
Caps for Single Hole Mounting Receptacle

Metric
Imperial

Shell Size	B Max	C Max	D Max	E1 Max	E2 Max	F1 Max	F2 Max	L approx. See note	d1 Min	d2 +0.5, -0 +0.02, -0	Om Min Overlap Mated
10SL	22,80 **0.898**	26,10 **1.028**	18,20 **0.717**	17,50 **0.689**	21,60 **0.850**	24,60 **0.969**	28,40 **1.118**	100,00 **4.000**	4,85 **0.191**	4,30 **0.169**	11,10 **0.437**
14S	29,20 **1.150**	32,50 **1.280**	24,60 **0.969**	17,50 **0.689**	21,60 **0.850**	24,60 **0.969**	28,40 **1.118**	100,00 **4.000**	4,85 **0.191**	4,30 **0.169**	11,10 **0.437**
16S	32,40 **1.276**	35,30 **1.390**	27,40 **1.079**	17,50 **0.689**	21,60 **0.850**	24,60 **0.969**	28,40 **1.118**	100,00 **4.000**	4,85 **0.191**	4,30 **0.169**	11,10 **0.437**
16	32,40 **1.276**	35,30 **1.390**	27,40 **1.079**	24,00 **0.945**	27,30 **1.075**	24,60 **0.969**	28,40 **1.118**	100,00 **4.000**	4,85 **0.191**	4,30 **0.169**	15,85 **0.624**
18	36,50 **1.437**	38,70 **1.524**	30,80 **1.213**	24,00 **0.945**	27,30 **1.075**	29,80 **1.173**	33,90 **1.335**	150,00 **6.000**	4,85 **0.191**	4,30 **0.169**	15,85 **0.624**
20	39,90 **1.571**	42,10 **1.658**	34,20 **1.346**	24,00 **0.945**	27,30 **1.075**	29,80 **1.173**	33,90 **1.335**	150,00 **6.000**	4,85 **0.191**	4,30 **0.169**	15,85 **0.624**
22	43,10 **1.697**	45,30 **1.784**	37,40 **1.472**	24,00 **0.945**	27,30 **1.075**	29,80 **1.173**	33,90 **1.335**	150,00 **6.000**	4,85 **0.191**	4,30 **0.169**	15,75 **0.620**
24	46,60 **1.835**	48,80 **1.921**	40.90 **1.610**	24,00 **0.945**	27,30 **1.075**	29,80 **1.173**	33,90 **1.335**	150,00 **6.000**	4,85 **0.191**	4,30 **0.169**	15,75 **0.620**
28	53,40 **2.102**	54,60 **2.150**	46,70 **1.838**	24,00 **0.945**	27,30 **1.075**	29,80 **1.173**	33,90 **1.335**	150,00 **6.000**	4,85 **0.191**	4,30 **0.169**	15,75 **0.620**
32	60,10 **2.366**	61,30 **2.413**	53,40 **2.102**	27,00 **1.063**	27,30 **1.075**	29,80 **1.173**	33,90 **1.335**	150,00 **6.000**	4,85 **0.191**	5,50 **0.217**	15,75 **0.620**
36	66,30 **2.610**	67,50 **2.658**	59,60 **2.346**	27,00 **1.063**	27,30 **1.075**	29,80 **1.173**	33,90 **1.335**	150,00 **6.000**	4,85 **0.191**	5,50 **0.217**	15,75 **0.620**
40	72,10 **2.838**	73,40 **2.890**	65.50 **2.579**	27,00 **1.063**	27,30 **1.075**	29,80 **1.173**	33.90 **1.335**	150,00 **6.000**	4,85 **0.191**	5,50 **0.217**	15,75 **0.620**

Note. For alternative cord or chain length, please consult the factory.

Individual Wire Seal Grommet
Dummy Pin, Socket & Grommet Filler Plug



How to order:

ABBH - ** - ** - GAC - F80

Shell size

Contact arrangement

Metric
Imperial

F80 Contact Sizes AWG (Metric)	*Wire Insulation Min O/D	*Wire Insulation Max O/D
16S/16 (15S/15)	1,52 **0.060**	3,20 **0.126**
12 (25)	2,44 **0.096**	5,12 **0.202**
8 (100)	4,90 **0.193**	7,20 **0.283**
4 (160)	8.18 **0.322**	11,00 **0.433**
****0 (500)**	14,00 **0.551**	16,00 **0.630**

* Please contact sales office for further detail.

** For details of grommet reducing bushes to suit 35mm², 25mm² & 16mm² wire, please contact the sales office.

Grommet Filler Plug

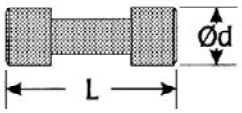


ABB - ** - KFP F80

Dummy Pin

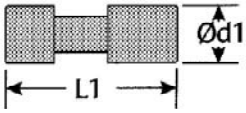


ABB - ** - KDP F80

Dummy Socket

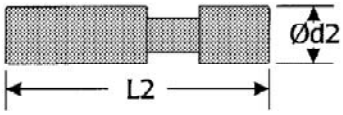
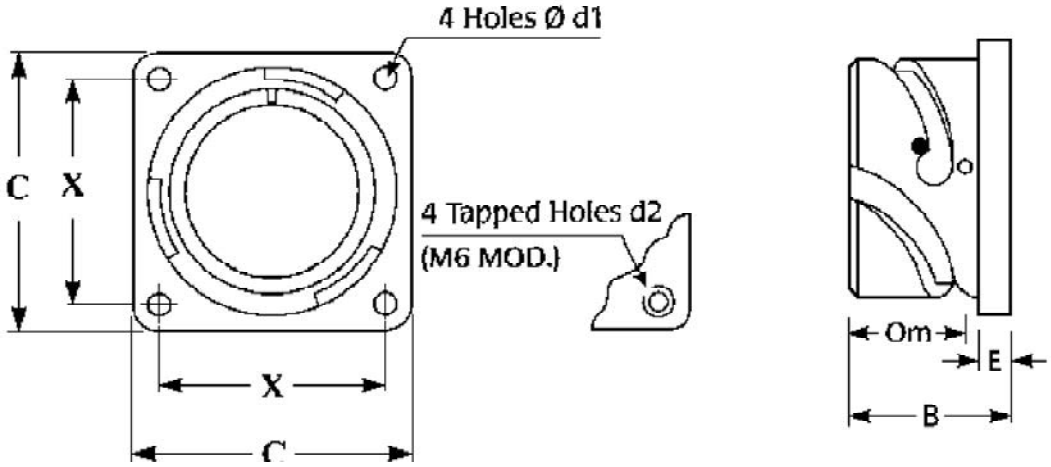


ABB - ** - KDS F80

Metric
Imperial

Contact Size AWG (Metric)	L Max	d Max	L1 Max	d1 Max	L2 Max	d2 Max	Colour Code
*****16S (15S)**	12,30 **0.484**	3,90 **0.154**	20,40 **0.803**	3,20 **0.126**	26,85 **1.057**	3,20 **0.126**	Pink
*****16 (15)**	12,30 **0.484**	3,90 **0.154**	20,00 **0.787**	3,20 **0.126**	36,75 **1.447**	3,20 **0.126**	Brown (KDP/KDS)
12 (25)	12,30 **0.484**	3,80 **0.150**	20,40 **0.803**	4,80 **0.189**	37,75 **1.486**	4,80 **0.189**	Orange
8 (100)	12,10 **0.476**	7,00 **0.276**	22,75 **0.896**	7,80 **0.307**	40,95 **1.612**	7,80 **0.307**	Violet
4 (160)	12,10 **0.476**	10,20 **0.402**	*	*	*	*	Black
0 (500)	12,50 **0.500**	15,60 **0.614**	24,60 **0.969**	15,00 **0.590**	44,70 **1.760**	15,00 **0.590**	White

Square Flange Stowage Receptacle
Style: ABCIR - ** - SX / SX - M6

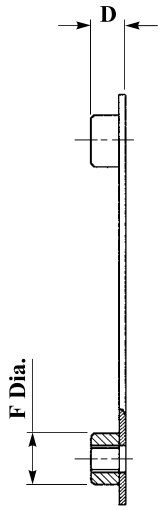


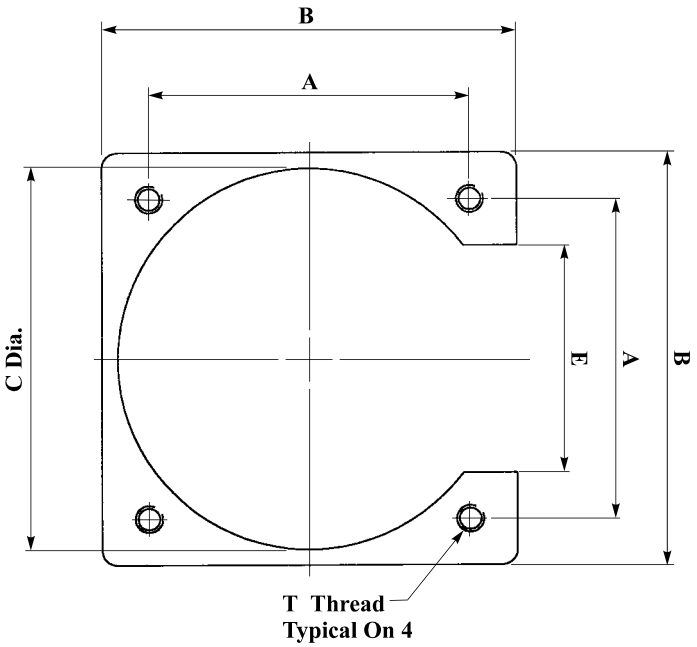
Metric
Imperial

Note.
See page 79 for panel mounting details.

Part Number	B Max	C Max	D1 Min	d2 Thread	E Max	X	Om min overlap mated
ABCIR-10SL-SX	17,60 **0.693**	25,70 **1.012**	3,20 **0.126**	M4	3,00 **0.118**	18,20 **0.717**	11,10 **0.437**
ABCIR-14S-SX	18,00 **0.709**	30,30 **1.193**	3,20 **0.126**	M4	3,40 **0.134**	23,10 **0.909**	11,10 **0.437**
ABCIR-16S-SX	18,00 **0.709**	32,80 **1.291**	3,20 **0.126**	M4	3,40 **0.134**	24,60 **0.969**	11,10 **0.437**
ABCIR-16-SX	22,80 **0.898**	32,80 **1.291**	3,20 **0.126**	M4	3,40 **0.134**	24,60 **0.969**	15,85 **0.624**
ABCIR-18-SX	23,60 **0.929**	35,30 **1.390**	3,20 **0.126**	M4	4,20 **0.165**	27,00 **1.063**	15,85 **0.624**
ABCIR-20-SX	23,60 **0.929**	38,30 **1.508**	3,20 **0.126**	M4	4,20 **0.165**	29,40 **1.157**	15,85 **0.624**
ABCIR-22-SX	23,60 **0.929**	41,30 **1.626**	3,20 **0.126**	M4	4,20 **0.165**	31,80 **1.252**	15,75 **0.620**
ABCIR-24-SX	25,20 **0.992**	44,80 **1.764**	3.70 **0.146**	M4	4,20 **0.165**	34,90 **1.374**	15,75 **0.620**
ABCIR-28-SX	25,20 **0.992**	51,10 **2.012**	3,70 **0.146**	M5	4,20 **0.165**	39,70 **1.563**	15,75 **0.620**
ABCIR-32-SX	26,80 **1.055**	57,30 **2.256**	4,30 **0.169**	M5	4,20 **0.165**	44,50 **1.752**	15,75 **0.620**
ABCIR-36-SX	26,80 **1.055**	63,80 **2.512**	4,30 **0.169**	M5	4,20 **0.165**	49,20 **1.937**	15,75 **0.620**
ABCIR-40-SX	26,80 **1.055**	70,20 **2.763**	4,30 **0.169**	M5	4,20 **0.165**	55,50 **2.185**	15,75 **0.620**
ABCIR-49-SX	56,73 **2.233**	110,40 **4.346**	8,50 **0.335**	-	8,20 **0.323**	90,00 **3.543**	

Square Fange Receptacle
Nut Plates
Style: ABB ** NP (Metric Thread) / NPA (UNC Thread)



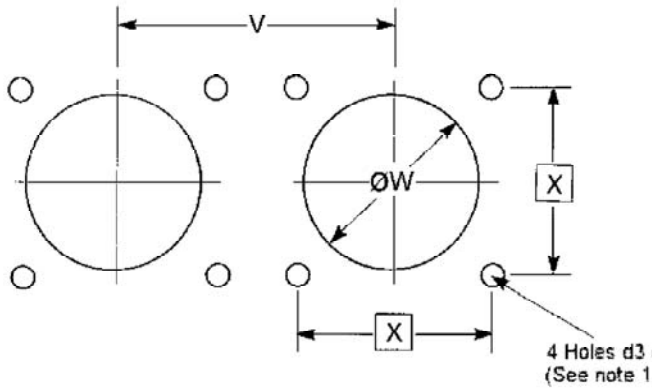


Metric
Imperial

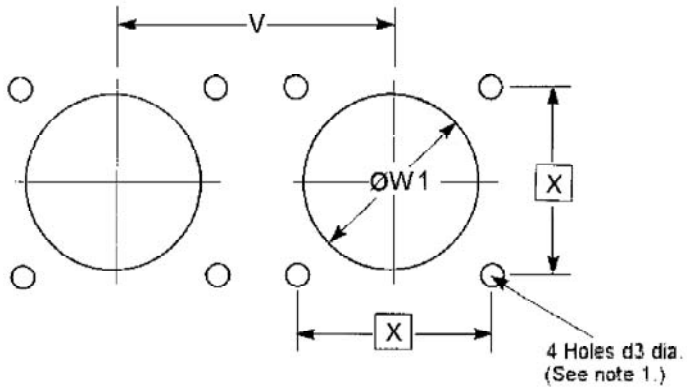
Shell Size	A	B Max	C Dia. Max	D	E Max	F Dia. Max	T Thread	Part Number	T Thread	Part Number
10SL	18,26 **0.719**	26,26 **1.034**	17,85 **0.702**	2,69/4,22 **0.106/0.166**	11,50 **0.453**	6,00 **0.236**	M3 x 0,5	ABB10SLNP	4 - 40 UNC	ABB10SLNPA
14S	23,01 **0.906**	30,66 **1.207**	24,59 **0.968**	2,69/4,22 **0.106/0.166**	16,25 **0.640**	6,00 **0.236**	M3 x 0,5	ABB14SNP	4 - 40 UNC	ABB14SNPA
16S	24,61 **0.969**	32,26 **1.270**	28,17 **1.109**	2,69/4,22 **0.106/0.166**	17,85 **0.703**	6,00 **0.236**	M3 x 0,5	ABB16SNP	4 - 40 UNC	ABB16SNPA
16	24,61 **0.969**	32,26 **1.270**	28,17 **1.109**	2,69/4,22 **0.106/0.166**	17,85 **0.703**	6,00 **0.236**	M3 x 0,5	ABB16NP	4 - 40 UNC	ABB16NPA
18	26,97 **1.062**	34,62 **1.363**	30,48 **1.250**	2,69/4,22 **0.106/0.166**	20,21 **0.796**	6,00 **0.236**	M3 x 0,5	ABB18NP	4 - 40 UNC	ABB18NPA
20	29,36 **1.156**	38,48 **1.515**	33,53 **1.320**	2,69/4,22 **0.106/0.166**	22,47 **0.885**	6,00 **0.236**	M3 x 0,5	ABB20NP	4 - 40 UNC	ABB20NPA
22	31,75 **1.250**	40,84 **1.608**	36,65 **1.443**	2,69/4,22 **0.106/0.166**	23,54 **0.927**	6,00 **0.236**	M3 x 0,5	ABB22NP	4 - 40 UNC	ABB22NPA
24	34,93 **1.375**	44,83 **1.765**	40,00 **1.575**	2,69/4,22 **0.106/0.166**	25,90 **1.020**	7,50 **0.295**	M3 x 0,5	ABB24NP	4 - 40 UNC	ABB24NPA
28	39,67 **1.562**	51,18 **2.015**	46,61 **1.835**	2,69/4,22 **0.106/0.166**	29,08 **1.145**	7,50 0.295	M3 x 0,5	ABB28NP	4 - 40 UNC	ABB28NPA
32	44,45 **1.750**	59,10 **2.327**	52,75 **2.077**	3,50/5,00 **0.138/0.197**	30,68 **1.208**	8,00 **0.315**	M4 x 0,7	ABB32NP	8 - 32 UNC	ABB32NPA
36	49,23 **1.968**	63,86 **2.514**	59,10 **2.327**	3,50/5,00 **0.138/0.197**	35,43 **1.395**	8,00 **0.315**	M4 x 0,7	ABB36NP	8 - 32 UNC	ABB36NPA
40	55,58 **2.188**	74,68 **2.940**	68,33 **2.690**	3,50/5,00 **0.138/0.197**	38,60 **1.520**	8,00 **0.315**	M4 x 0,7	ABB40NP	8 - 32 UNC	ABB40NPA

* Please consult factory for availability.
*** For Grommet Filler Plugs (KFP), do not add F80 to part number. Colour Blue.

Square Flange Receptacles
Panel Mounting Detail



Front Mounting Style: ABCIRH00
ABCIRH04
ABCIRH12A



Rear Mounting Style: ABCIRH03
ABCIRH05 & 07

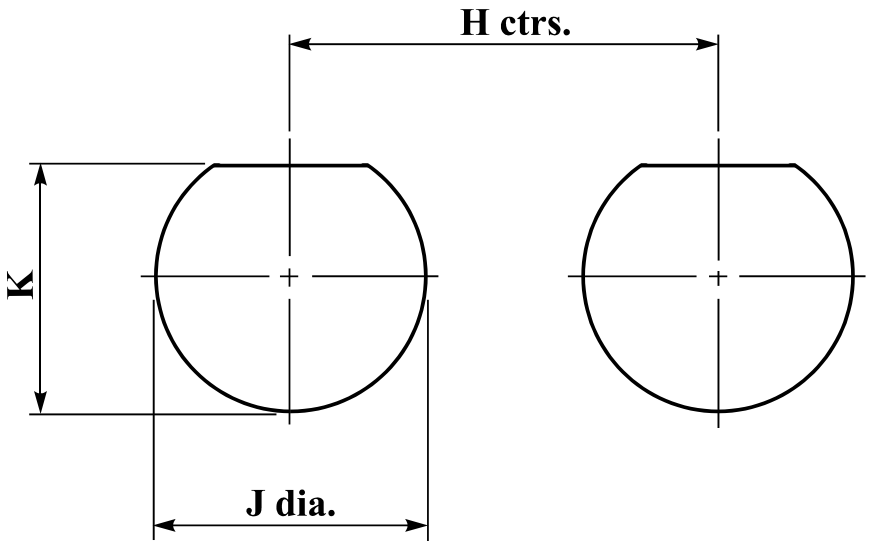
Metric
Imperial

Note 1.
When fixed connectors are used with threaded mounting holes, refer to hole sizes in column **d4**.

Note 2.
When fixed connectors are used with plugs having rubber coupling nuts, please consult factory for panel cut-out dimensions.

Shell Size	d3 dia.	d4 dia.	V	W	W1	X
10SL	3,40 **0.134**	4,50 **0.177**	26,60 **1.047**	17,00 **0.670**	18,58 **0.732**	18,20 **0.717**
14S	3,40 **0.134**	4,50 **0.177**	31,60 **1.244**	20,00 **0.780**	24,98 **0.984**	23,00 **0.906**
16S	3,40 **0.134**	4,50 **0.177**	34,40 **1.354**	23,00 **0.906**	27,78 **1.094**	24,60 **0.969**
16	3,40 **0.134**	4,50 **0.177**	34,40 **1.354**	23,00 **0.906**	27,78 **1.094**	24,60 **0.969**
18	3,40 **0.134**	4,50 **0.177**	38,30 **1.508**	26,00 **1.024**	31,18 **1.228**	27,00 **1.063**
20	3,40 **0.134**	4,50 **0.177**	41,70 **1.642**	30,00 **1.181**	34,58 **1.361**	29,40 **1.157**
22	3,40 **0.134**	4,50 **0.177**	45,20 **1.780**	33,00 **1.300**	37,78 **1.487**	31,80 **1.252**
24	3,90 **0.154**	4,50 **0.177**	48,70 **1.917**	36,00 **1.417**	41,28 **1.625**	34,90 **1.374**
28	3,90 **0.154**	5,50 **0.217**	55,50 **2.185**	42,00 **1.654**	47,08 **1.854**	39,70 **1.563**
32	4,50 **0.177**	5,50 **0.217**	62,40 **2.475**	48,50 **1.909**	53,78 **2.117**	44,50 **1.752**
36	4,50 **0.177**	5,50 **0.217**	69,00 **2.717**	55,00 **2.165**	59,98 **2.361**	49,20 **1.937**
40	4,50 **0.177**	5,50 **0.217**	75,00 **2.953**	59,10 **2.327**	66,4 **2.614**	55,50 **2.186**
49	8,50 **0.315**	-	140,00 **5.512**	91,00 **3.583**	91,00 **3.583**	90,00 **3.543**

Single Hole Mounting Receptacle
Panel Mounting Detail

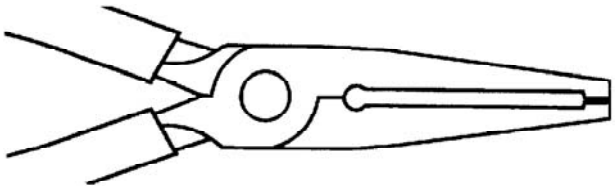


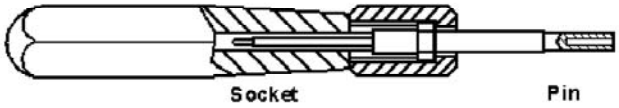
Metric
Imperial

Note.
When fixed connectors are used with plugs having rubber coupling nuts, please consult factory for panel cut-out dimensions.

Shell Size	H ctrs.	J dia.	K
10SL	32,55 **1.281**	22,53 **0.887**	20,83 **0.820**
14S	42,05 **1.656**	28,88 **1.137**	27,23 **1.072**
16S	45,15 **1.776**	32,08 **1.263**	30,78 **1.212**
16	45,15 **1.776**	32,08 **1.263**	30,78 **1.212**
18	48,85 **1.923**	35,23 **1.387**	33,58 **1.322**
20	52,05 **2.049**	38,43 **1.513**	36,68 **1.444**
22	55,45 **2.183**	41,56 **1.636**	39,88 **1.570**
24	58,45 **2.301**	44,78 **1.763**	43,18 **1.700**
28	65,25 **2.569**	51,13 **2.013**	49,37 **1.944**
32	71,55 **2.817**	57,48 **2.263**	55,78 **2.196**
36	77.95 **3.069**	63,83 **2.513**	62,18 **2.448**
40	85,25 **3.356**	70,18 **2.763**	68,38 **2.692**

F80 Crimp Contacts
Insertion & Extraction Tools
Socket Contact Guide Pins





Insertion Tool

Contact Size AWG (Metric)	Insertion Tool Part Number
16 (16S)	ABB-IT-16
16 (15)	ABB-IT-16
12 (25)	ABB-IT-12
8 (100)	Tool Not Required
4 (160)	
0 (500)	

Extraction Tool

Contact Size AWG (Metric)	Extraction Tool Part Number
16 (16S)	ABB-ET-16
16 (15)	ABB-ET-16
12 (25)	ABB-ET-12
8 (100)	Tool Not Required
4 (160)	
0 (500)	

Socket Contact Guide Pin

Socket Contact Size AWG (Metric)	Guide Pin Part Number
16 (16S)	ABB-16-SGP
16 (15)	ABB-16-SGP
12 (25)	ABB-12-SGP
8 (100)	Guide Pin Not Required
4 (160)	
0 (500)	

Note.
For full assembly instructions, see AB Specification 514.
Contact the sales office for a copy.

F80 Contacts
Crimp & Tooling Data

Contact Size & Type	Contact Part Number	Wire Size C.S.A. mm^2	Tool Required	Turret/ Locator	Tool Setting	Tool Pos'n If Applicable	Insertion Tool	Extraction Tool	Guide Pins
16S/20 Pin	ABB16S/20KPKF80	0,5/0,75	AF8/WA27F	TP1249	3	-	ABBIT16	ABBET16	-
16S/20 Skt.	ABB16S/20KSKF80	0,5/0,75	AF8/WA27F	TP1249	3	-	ABBIT16	ABBET16	ABB16SG
16S/18 Pin	ABB16S/18KPKF80	0,75/0,93	AF8/WA27F	TP1249	4	-	ABBIT16	ABBET16	-
16S/18 Skt.	ABB16S/18KSKF80	0,75/0,93	AF8/WA27F	TP1249	4	-	ABBIT16	ABBET16	ABB16SG
16S/14 Pin	ABB16S/14KPKf80	1,94/2,08	AF8/WA27F	TP1249	5	-	ABBIT16	ABBET16	-
16S/14 Skt.	ABB16S/14KSKf80	1,94/2,08	AF8/WA27F	TP1249	5	-	ABBIT16	ABBET16	ABB16SG
16S Pin	ABB16SKPKF80	0,93/1,5	AF8/WA27F	TP1249	5	-	ABBIT16	ABBET16	-
16S Skt.	ABB16SKSKF80	0,93/1,5	AF8/WA27F	TP1249	5	-	ABBIT16	ABBET16	ABB16SG
LIF 16S Skt.	ABB16SKLKF80	0,93/1,5	AF8/WA27F	TP1249	5	-	ABBIT16	ABBET16	ABB16SG
16/22 Pin	ABB16/22KPKF80	0,22/0,34	AF8/WA27F	TH592	2/3	Red	ABBIT16	ABBET16	-
16/22 Skt.	ABB16/22KSKF80	0,22/0,34	AF8/WA27F	TH592	2/3	Blue	ABBIT16	ABBET16	ABB16SG
16/20 Pin	ABB16/20KPKF80	0,5/0,75	AF8/WA27F	TH592	3	Blue	ABBIT16	ABBET16	-
16/20 Skt.	ABB16/20KSKF80	0,5/0,75	AF8/WA27F	TH592	3	Red	ABBIT16	ABBET16	ABB16SG
LIF16/20 Skt.	ABB16/20KLKF80	0,5/0,75	AF8/WA27F	TH592	3	Red	ABBIT16	ABBET16	ABB16SG
16/18 Pin	ABB16/18KPKF80	0,75/0,93	AF8/WA27F	TH592	4	Blue	ABBIT16	ABBET16	-
16/18 Skt.	ABB16/18KSKF80	0,75/0,93	AF8/WA27F	TH592	4	Red	ABBIT16	ABBET16	ABB16SG
16 Pin	ABB16KPKF80	0,93/1,5	AF8/WA27F	TH592	5	Blue	ABBIT16	ABBET16	-
16 Skt.	ABB16KSKF80	0,93/1,5	AF8/WA27F	TH592	5	Red	ABBIT16	ABBET16	ABB16SG
LIF 16 Skt.	ABB16KLKF80	0,93/1,5	AF8/WA27F	TH592	5	Red	ABBIT16	ABBET16	ABB16SG
16/14 Pin	ABB16/14KPKF80	1,94/2,08	AF8/WA27F	TH592	5	Blue	ABBIT16	ABBET16	-
16/14 Skt.	ABB16/14KSKF80	1,94/2,08	AF8/WA27F	TH592	5	Red	ABBIT16	ABBET16	ABB16SG
16/12 Pin	ABB16/12KPKF80	2,50/3,00	AF8/WA27F	TH592	7	Yellow	ABBIT16	ABBET16	-
16/12Skt.	ABB16/12KSKF80	2,50/3,00	AF8/WA27F	TH592	7	Yellow	ABBIT16	ABBET16	ABB16SG
12/20 Pin	ABB12/20KPKF80	0,5/0,75	AF8/WA27F	TH592	3	Yellow	ABBIT12	ABBET12	-
12/20 Skt.	ABB12/20KSKF80	0,5/0,75	AF8/WA27F	TH592	3	Yellow	ABBIT12	ABBET12	ABB12SG
LIF 12/20 Skt.	ABB12/20KLKF80	0,5/0,75	AF8/WA27F	TH592	3	Yellow	ABBIT12	ABBET12	ABB12SG
12/18 Pin	ABB12/18KPKF80	0,75/0,93	AF8/WA27F	TH592	4	Yellow	ABBIT12	ABBET12	-
12/18 Skt.	ABB12/18KSKF80	0,75/0,93	AF8/WA27F	TH592	4	Yellow	ABBIT12	ABBET12	ABB12SG
12/16 Pin	ABB12/16KPKF80	0,93/1,5	AF8/WA27F	TH592	5	Yellow	ABBIT12	ABBET12	-
12/16 Skt.	ABB12/16KSKF80	0,93/1,5	AF8/WA27F	TH592	5	Yellow	ABBIT12	ABBET12	ABB12SG
LIF 12/16 Skt.	ABB12/16KLKF80	0,93/1,5	AF8/WA27F	TH592	5	Yellow	ABBIT12	ABBET12	ABB12SG
12/14 Pin	ABB12/14KPKF80	1,94/2,08	AF8/WA27F	TH592	5	Yellow	ABBIT12	ABBET12	-
12/14 Skt.	ABB12/14KSKF80	1,94/2,08	AF8/WA27F	TH592	5	Yellow	ABBIT12	ABBET12	ABB12SG
12 Pin	ABB12KPKF80	2,50/3,00	AF8/WA27F	TH592	7	Yellow	ABBIT12	ABBET12	-
12 Skt.	ABB12KSKF80	2,50/3,00	AF8/WA27F	TH592	7	Yellow	ABBIT12	ABBET12	ABB12SG
LIF 12 Skt.	ABB12KLKF80	2,50/3,00	AF8/WA27F	TH592	7	Yellow	ABBIT12	ABBET12	ABB12SG
12/10 Pin	ABB12/10KPKF80	5,53	M310	TH592	5	Yellow	ABBIT12	ABBET12	-
12/10 Skt.	ABB12/10KSKF80	5,53	M310	TH592	5	Yellow	ABBIT12	ABBET12	ABB12SG
12/40 Pin	ABB12/40KPKF80	4,0	M310	TH592	5	Yellow	ABBIT12	ABBET12	-
12/40 Skt.	ABB12/40KSKF80	4,0	M310	TH592	5	Yellow	ABBIT12	ABBET12	ABB12SG

F80 Contacts
Crimp & Tooling Data cont.

Contact Size & Type	Contact Part Number	Wire Size C.S.A. mm^2	Tool Required	Turret/ Locator	Tool Setting	Tool Pos'n If Applicable	Insertion Tool	Extraction Tool	Guide Pins
8/40 Pin	ABB8/40KPKF80	4,0	D55E	Die Set	-	-	-	-	-
8/40 Skt.	ABB8/40KSKF80	4,0	D55E	Die Set	-	-	-	-	-
8/12 Pin	ABB8/12KPKF80	2,5	M310	Consult Factory	3	-	-	-	-
8/12 Skt.	ABB8/12KSKF80	2,5	M310	Consult Factory	3	-	-	-	-
8/10 Pin	ABB8/10KPKF80	5,53	D55E	Die Set	-	-	-	-	-
8/10 Skt.	ABB8/10KSKF80	5,53	D55E	Die Set	-	-	-	-	-
8 Pin	ABB8KPKF80	9,0	ERMA 19600	22390	-	-	-	-	-
8 Skt.	ABB8KSKF80	9,0	ERMA 19600	22390	-	-	-	-	-
100/60 Pin	ABB100/60KPKF80	6,0	D55E	Die Set	-	-	-	-	-
100/60 Skt.	ABB100/60KSKF80	6,0	D55E	Die Set	-	-	-	-	-
100 Pin	ABB100KPKF80	10,0	D55E	Die Set MRP0925	-	-	-	-	-
100 Skt.	ABB100KSKF80	10,0	D55E	Die Set MRP0925	-	-	-	-	-
4/10 Pin	ABB4/10KPKF80	5,53	D55E	Die Set	-	-	-	-	-
4/10 Skt.	ABB4/10KSKF80	5,53	D55E	Die Set	-	-	-	-	-
4 Pin	ABB4KPKF80	22,0	ERMA 19600	Die set 22391	-	-	-	-	-
4 Skt.	ABB4KSKF80	22,0	ERMA 19600	Die Set 22391	-	-	-	-	-
160 Pin	ABB160KPKF80	16,0	D55E	Die Set MRP0924	-	-	-	-	-
160 Skt.	ABB160KSKF80	16,0	D55E	Die Set MRP0924	-	-	-	-	-
0 Pin	ABB0KPKF80	53,0	ERMA 19600	Die Set 22392	-	-	-	-	-
0 Skt	ABB0KSKF80	53,0	ERMA 19600	Die Set 22392	-	-	-	-	-
500/160 Pin	ABB500/160KPKF8	16,0	D55E	Die Set MRP0924	-	-	-	-	-
500/160 Skt.	ABB500/160KSKF8	16,0	D55E	Die Set MRP0924	-	-	-	-	-
500/250 Pin	ABB500/250KPKF8	25,0	D55E	Die Set	-	-	-	-	-
500/250 Skt.	ABB500/250KSKF8	25,0	D55E	Die Set	-	-	-	-	-
500/350 Pin	ABB500/350KPKF8	35,0	D55E	Die Set	-	-	-	-	-
500/350 Skt.	ABB500/350KSKF8	35,0	D55E	Die Set	-	-	-	-	-
500 Pin	ABB500KPKF80	50,0	D55E	Die Set MRP0925	-	-	-	-	-
500 Skt.	ABB500KSKF80	50,0	D55E	Die Set MRP0925	-	-	-	-	-

Note.
For full assembly and wiring instructions for ABCIRH connectors, see AB Specification 514.
To obtain a copy, please contact the Sales Office.

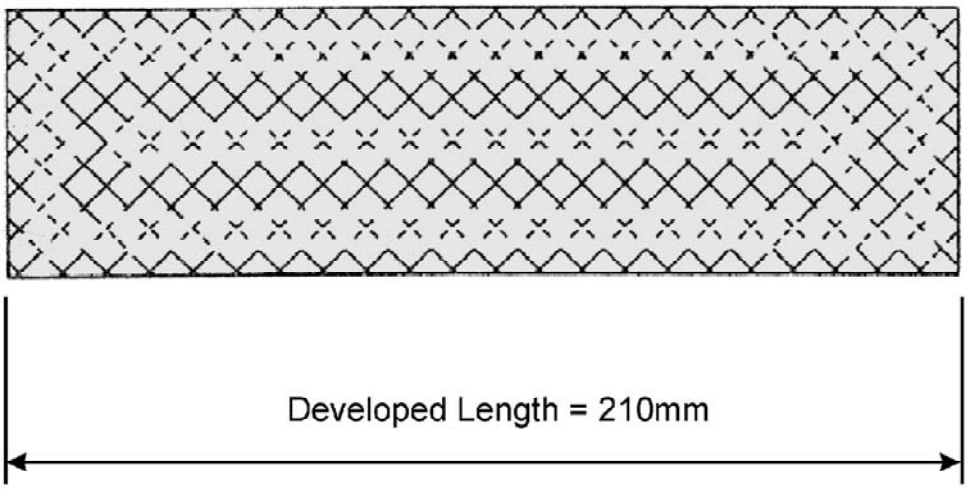
F80 Coax & Twinax Contacts
Crimp & Tooling Data

Contact Size & Type	Contact Part Number	Wire Size C.S.A. mm^2	Contact Section	Tool Required	Turret/ Locator	Tool Setting	Tool Position If Applicable
4 Coax Pin	ABB4CKPKF80P1001	0.5	Inner	AF8	TH619	4	Red
			Screen	D55E/D51	31038	-	-
4 Coax Skt	ABB4CKSKF80P1001	0.5	Inner	AF8	TH619	4	Blue
			Screen	D55E/D51	31038	-	-
4 Coax Pin	ABB4CKPKF80P1002	1.0	Inner	AF8	TH619	4	Red
			Screen	D55E/D51	HD51-150	-	-
4 Coax Skt.	ABB4CKSKF80P1002	1.0	Inner	AF8	TH619	4	Blue
			Screen	D55E/D51	HD51-150	-	-
4 Twinax Pin	ABB4TKPKF80P1	0.5/0.6	Inner	AF8	TH608	4	Red
			Intermediate	HX4	Y946	-	-
			Screen	D55E/D51	HD51-150	-	-
4 Twinax Skt	ABB4TKSKF80P1	0.5/0.6	Inner	AF8	TH608	4	Blue
			Intermediate	HX4	Y946	-	-
			Screen	D55E/D51	HD51-150	-	-
4 Twinax Pin	ABB4TKPKF80P1001	0.75/1.0	Inner	AF8	TH608	4	Red
			Intermediate	HX4	Y946	-	-
			Screen	D55E/D51	HD51-150	-	-
4 Twinax Skt.	ABB4TKSKF80P1001	0.75/1.0	Inner	AF8	TH608	4	Blue
			Intermediate	HX4	Y946	-	-
			Screen	D55E/D51	HD51-150	-	-

Note.
For full assembly and wiring instructions for Coax & Twinax contacts, see AB Specification 525.
To obtain a copy, please contact the Sales Office.

Braid Sock - 50mm Diameter

Braid Sock - ABBMBS050015/150



AB Connectors Limited

Product Safety Information

Product Safety

The connectors referred to in this catalogue may be safely used within the special ratings and environment for which they have been designed.
However, they comprise a complex build of different materials including metals and plastics which themselves are plated and cleaned with various chemical compounds during the assembly process.
It is important to understand that hazards can occur if connectors are used:-

1. Outside the specified design criteria and/or incorrectly integrated into equipment.

2. When damaged in use, assembly, transit or storage.

3. Incorrectly wired or assembled.

4. Where the quality of installation is below the standard required to maintain and uphold good practice.

5. Where good housekeeping is not observed during use, assembly, transit or storage and allowing contamination from debris and fluids etc.

Safety Rules

1. Ensure all conductors & wires are capable of withstanding the electrical and environmental conditions of the application.

2. Always use the correct tools for cables, contacts and connectors.

3. Make circuit resistance checks before making a circuit live.

4. Always protect line circuits and **never** demate a live connector.

5. Never use a damaged connector.

6. Never burn discarded connectors or cable.

7. **IF IN DOUBT ASK**.

NB: Electrical safety factors are the responsibility of the user.

Note.

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The company reserves the right and may change or vary specification without prior written notice.

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July 2001 edition

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The world's demand for electronics is increasing as new technologies, with a higher dependence on complex components, are being adopted by a broader customer base. This growth provides TT electronics an assured future as we focus on efforts to deliver excellence in customer service and quality products to these markets. From our strong UK base, the company has achieved truly global reach. We have established technical and manufacturing facilities in strategic countries maintaining the successful formula of close liaison with our customers in all major overseas markets.

In addition, through strategic relationships with Original Equipment Manufacturers around the world, we are now in the enviable position where we gain double benefit - from growth in their markets and from the increase in the electronic content of end products.

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