



Mil-C-5015 Types

# ABBMS

VG 95234 Connector Series



A Subsidiary of TT electronics plc



**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.



# ABBMS

## Bayonet Connector

The ABBMS Bayonet Connector series is based on the MS series of connectors which conform to American Mil-C-5015 specification. Originally developed for aerospace applications, the connectors are now used extensively throughout the mass transportation, military fighting vehicle, commercial and general industrial markets.

ABBMS Bayonet Connectors are interchangeable with all corresponding MS types and feature identical panel mounting dimensions and contact arrangements. Positive coupling is indicated by an audible 'snap' and visually by the alignment of three coloured spots on the receptacle shell and the coupling nut of the free plug connector.

Protection against dust and water ingress is achieved by using a dynamic sealing under the coupling nut and by using an individual wire seal grommet in the connector back shell assembly. A wavy washer assembly, also situated in the coupling nut and a comprehensive range of back shells and accessories, ensure excellent shell-to-shell continuity and shielding characteristics between mated connectors.

Product approvals include British Standard 9522 F0032 and German standard VG95234. The connectors are also designed to meet the requirement of railway specifications TDE 77/R/42 and RSE/STD/024.

ABBMS Bayonet Connectors are supplied with aluminium parts plated with cadmium free finishes and with a choice of passivation.

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# ABBMS

## Technical Information

### STANDARD DATA

#### Materials

SHELL: Aluminium alloy.  
 INSULATOR: **ABB/ABCIR Series**  
 Polychloroprene or Low Halogen.  
**HT ABB Series**  
 Fluoro-carbon (Viton).  
 GROMMET: **ABB/ABCIR Series**  
 polychloroprene or Low Halogen.  
**HT ABB Series**  
 Fluoro-silicone.  
 CONTACTS: Copper Alloy.  
 ACCESSORY HARDWARE: Aluminium alloy.

#### Plating Finishes

SHELL: Olive drab chromate over cadmium plate.  
 CONTACTS: Hard silver over nickel or gold over nickel.  
 ACCESSORY HARDWARE: Olive drab chromate over cadmium plate.  
 Consult factory for alternative shell and accessory finishes.

#### Mechanical features

SHELL SIZE: In sixteenths of an inch.  
 COUPLING: Bayonet.

Contact Arrangement			
10SL-3	#		24-V1
10SL-4	#		24-2
14S-2	#		24-7
14S-5	#		24-10
14S-6			24-11
14S-7	#	#	24-12
		+	24-22
16S-1	#		28-10
16-10		#	28-11
16-12			28-20
18-1	#	+	28-21
18-11			28-A63
18-12	=		
20-2			32-1
20-3			32-3
20-8			32-6
20-8			32-7
20-A9		+	32-A13
20-15		=	32-17
20-21			32-A69
20-A48			32-T3
22-2			36-5
22-12			36-6
22-14	#	+	= 36-10
22-19			+ 36-A22
22-22			= 40-E4
22-27			+ 40-A35
			= 40-A60
= F80 Version only			
+ Standard & F80 versions			
# Current High Temperature availability			

NUMBER of WAYS: 1 - 61.  
 CONTACT TERMINATION: Crimp or solder.

SEALING: Dynamic sealing ring & grommet

#### TECHNICAL DATA

TEMPERATURE RANGE:  
 ENVIRONMENTAL RATING:  
**ABB/AB CIR Series**  
 - 55°C to + 125°C  
**HT ABB Series**  
 - 40°C to + 190°C

Contact Current Ratings			
Contact Size		Maximum Current	Rated Current
AWG	Metric		
20	10	7.5A	5A
16/16S	15/15S	22A	13A
12	25	41A	23A
8	60/100	73A	46A
4	160	135A	80A
0	500	245A	150A
0000	-	500A	300A

#### Voltage at sea level

- (a) Working voltage - d.c. or a.c. peak 350V to 1750V.
- (b) Proof voltage - d.c. or a.c. peak 1050V to 3000V.

#### Environmental Ratings






- (A) Shock severity: 75g.
- (B) Vibration: 5-500 Hz long endurance 30 hr test at 10g.
- (C) Acceleration: 50g.
- (D) Humidity severity: H6 (6 cycles acc 56 days).



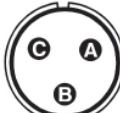


**Note.** general assembly and wiring instructions can be obtained by contacting AB Connectors Sales Office on:

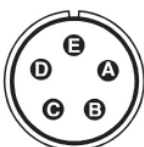
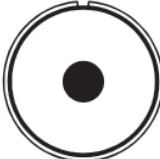
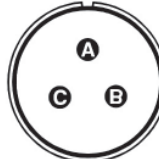
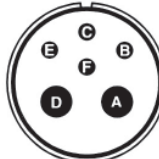
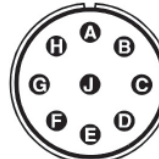
Tel: National **01443 740331**  
 International **# 44 1443 740331**  
 Fax: National **01443 741676**  
 International **# 44 1443 741676**

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## Standard Contact Arrangements

SHELL SIZE	10SL	10SL	14S	14S	14S
					
Contact Arrangement	10SL-3	10SL-4	14S-2	14S-5	14S-6
No. of Contacts x Size AWG (Metric)	3#16S(15S)	2#16S(15S)	4#16S(15S)	5#16S(15S)	6#16S(15S)
Service Rating	A	A	INST	INST	INST

SHELL SIZE	14S	16S	16	16	18
					
Contact Arrangement	14S-7	16S-1	16-10	16-12	18-1
No. of Contacts x Size AWG (Metric)	3#16S(15S)	7#16S(15S)	3#12(25)	1#4(160)	10#16(15)
Service Rating	A	A	A	A	A & INST

SHELL SIZE	18	20	20	20	20
					
Contact Arrangement	18-11	20-2	20-3	20-8	20-A9
No. of Contacts x Size AWG (Metric)	5#12(25)	1#0(500)	3#12(25)	4#16(15) 2#8(100)	9#12(25)
Service Rating	A	D	D	INST	D & INST

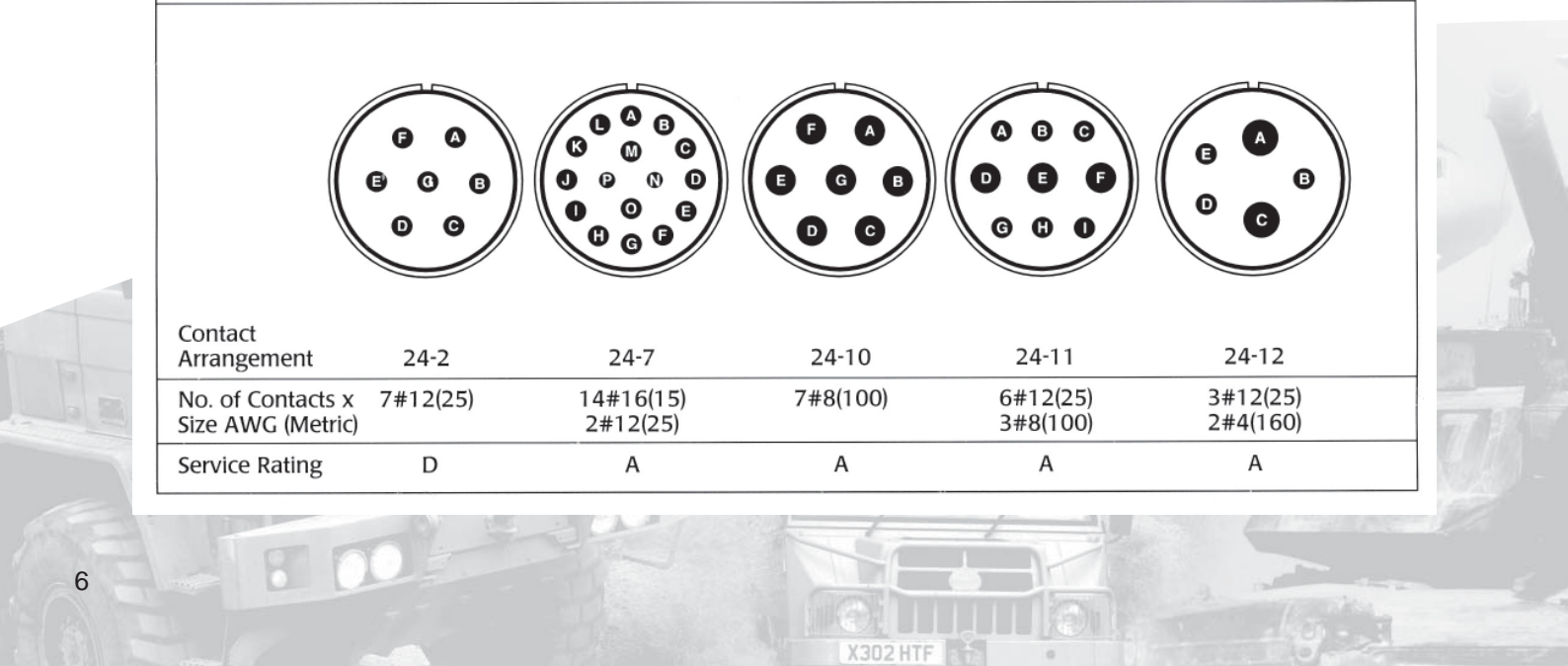
# ABBMS

## Standard Contact Arrangements

SHELL SIZE	20	20	20	22	22
Contact Arrangement	20-15	20-21	20-A48	22-2	22-12
No. Contacts x Size AWG (Metric)	7#12(25)	8#16(15) 1#12(25)	19#16(15)	3#8(100)	2#8(100) 3#16(15)
Service Rating	A	A	INST	D	D

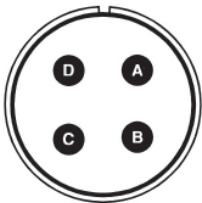
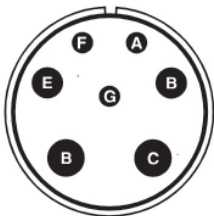

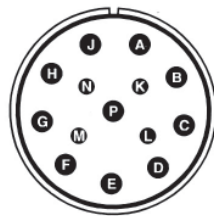
SHELL SIZE	22	22	22	22	24
Contact Arrangement	22-14	22-19	22-22	22-27	24-V1
No. of Contacts x Size AWG (Metric)	19#16(15)	14#16(15)	4#8(100)	1#8(60) 8#16(15)	1#0000
Service Rating	A	A	A	A & D	A



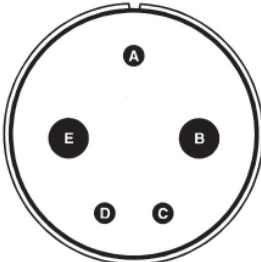
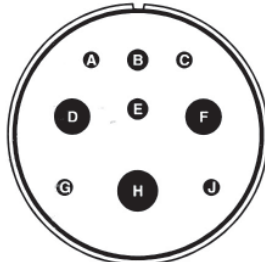
SHELL SIZE	24	24	24	24	24
Contact Arrangement	24-2	24-7	24-10	24-11	24-12
No. of Contacts x Size AWG (Metric)	7#12(25)	14#16(15) 2#12(25)	7#8(100)	6#12(25) 3#8(100)	3#12(25) 2#4(160)
Service Rating	D	A	A	A	A

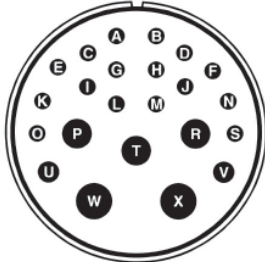
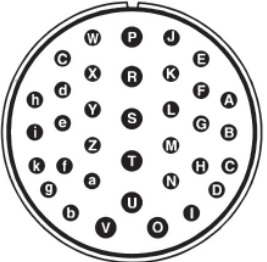
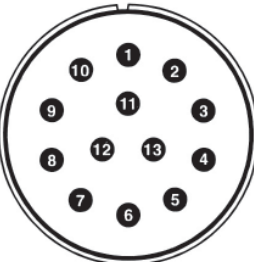
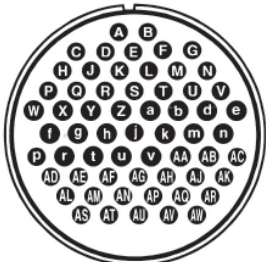


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## Standard Contact Arrangements

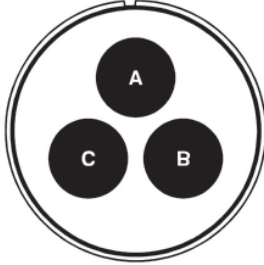
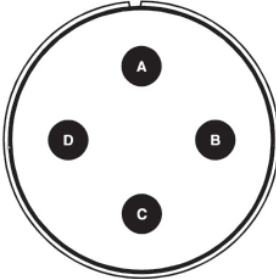
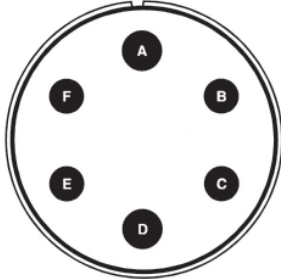
SHELL SIZE	24	28	28	28
				
Contact Arrangement	24-22	28-10	28-11	28-20
No. of Contacts x Size AWG (Metric)	4#8(100)	3#12(25) 2#8(100) 2#4(160)	18#16(15) 4#12(25)	4#16(115) 10#12(25)
Service Rating	D	A & D	A	A

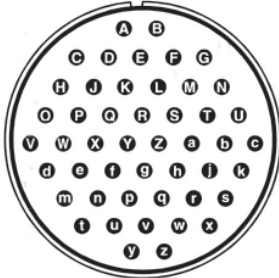
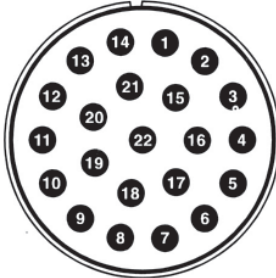
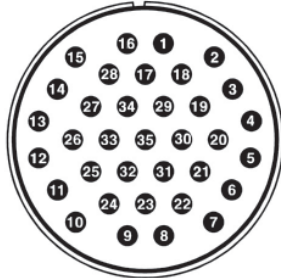
SHELL SIZE	28	28	32	32
				
Contact Arrangement	28-21	28-A63	32-1	32-3
No. of Contacts x Size AWG (Metric)	37#16(15)	19#16(15) 9#12(25)	3#12(25) 2#0(500)	4#16(15) 2#12(25) 2#4(160)1#0(500)
Service Rating	A	A & INST	E & D	D

SHELL SIZE	32	32	32	32
				
Contact Arrangement	32-6	32-7	32-A13	32-A69
No. of Contacts x Size AWG (Metric)	16#16(15)2#12(25) 3#8(60)2#4(160)	28#16(15) 7#12(25)	13#12(25)	41#20(10) 20#16(15)
Service Rating	A	A & INST	D	INST

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## Standard Contact Arrangements

SHELL SIZE	32	36	36
			
Contact Arrangement	32-T3	36-5	36-6
No. Contacts x Size AWG (Metric)	3#Triax For Raychem EPD 47471	4#0(500)	2#0(500) 4#4(160)
Service Rating	INST	A	A



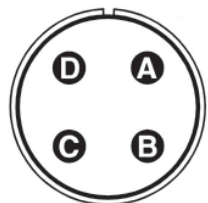

SHELL SIZE	36	36	40
			
Contact Arrangement	36-10	36-A22	40-A35
No. of Contacts x Size AWG (Metric)	48#16(15)	22#12(25)	35#12(25)
Service Rating	A	D	D

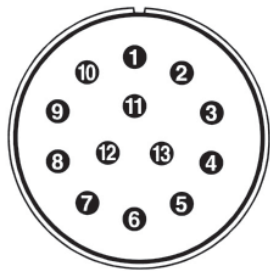
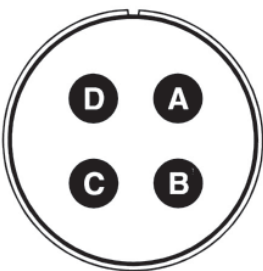

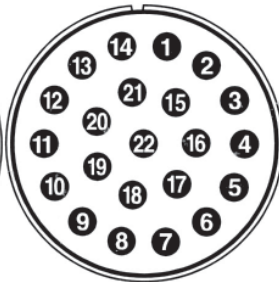


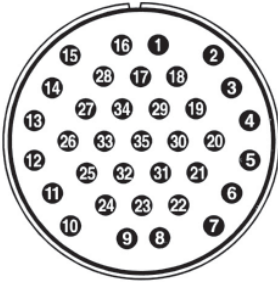
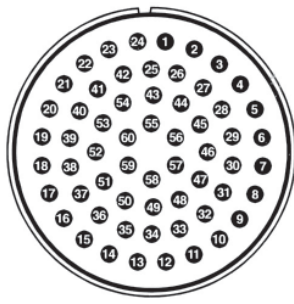
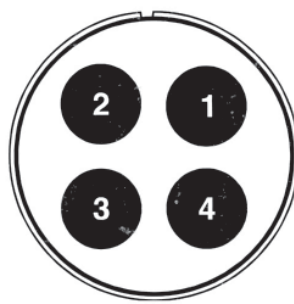


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## F80 Contact Arrangements

SHELL SIZE	18	22	24	28
				
Contact Arrangement	18-12	22-14	24-22	28-21
No. of Contacts x Size AWG (Metric)	6#16(15)	19#16(15)	4#8(100)	37#16(15)
Service Rating	A	A	D	A

SHELL SIZE	32	32	36	36
				
Contact Arrangement	32-A13	32-17	36-10	36-A22
No. of Contacts x 13#12(25) Size AWG (Metric)	13#12(25)	4#4(160)	48#16(15)	22#12(25)
Service Rating	D	D	A	D

SHELL SIZE	40	40	40
			
Contact Arrangement	40-A35	40-A60	40-E4
No. of Contacts x Size AWG (Metric)	35#12(25)	60#16(15)	4#0(500)
Service Rating	D	A	E

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## Selection Chart

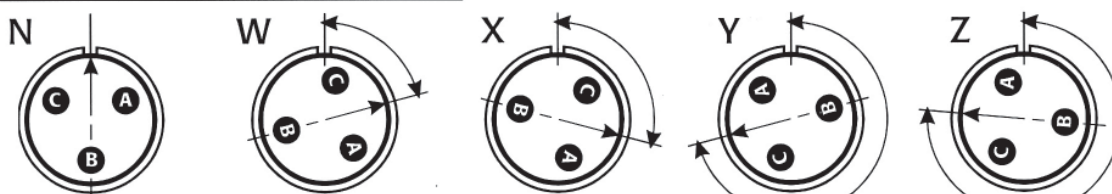
SHELL SIZE	CONTACT ARRANGEMENT	NO. OF CONTACTS	CONTACT SIZE (AWG/METRIC) & CURRENT RATING (DERATED) (Amps) - at 85°C ambient							SHELL ORIENTATION	SERVICE RATING
			20 (10)	16/16S (15/15S)	12 (25)	8 (60/100)	4 (160)	0 (500)	0000		
10SL 10SL	3 4	3 2		3 x 10A 2 x 10A						N N	A A
14S 14S 14S 14S	2 5 6 7	4 5 6 3		4 x 10A 5 x 10A 6 x 10A 3 x 10A						NX NX N NWXY	Inst Inst Inst A
16S 16 16	1 10 12	7 3 1		7 x 10A	3 x 20A			1 x 75A		NWZ NWXY N	A A A
18 18 18	1 11 12	10 5 6		10 x 10A 6 x 10A	5 x 20A					NWXYZ NX NWZ	* A & Inst A A
20 20 20 20 20 20 20	2 3 8 A9 15 21 A48	1 3 6 9 7 9 19		4 x 10A 8 x 10A 19 x 10A	3 x 20A 9 x 20A 7 x 20A 1 x 20A	2 x 42A		1 x 135A		N NWXYZ NWXYZ NX NWZ NWXYZ NX	D D Inst * D & Inst A A Inst
22 22 22 22 22 22	2 12 14 19 22 27	3 5 19 14 4 9		3 x 10A 19 x 10A 14 x 10A 8 x 10A		3 x 42A 2 x 42A 4 x 42A 1 x 42A				NWXYZ NWXYZ NWXYZ NWXYZ NX NWYZ	D D A A A * A & D
24 24 24 24 24 24	V1 2 7 10 11 12 22	1 7 16 7 9 5 4		14 x 10A	7 x 20A 2 x 20A 6 x 20A 3 x 20A	7 x 42A 3 x 42A 4 x 42A		2 x 75A	1 x 300A	N NWZ NWXYZ NWZ NWXYZ NWXYZ NWXY	A D A A A A D
28 28 28 28 28	10 11 20 21 A63	7 22 14 37 28		18 x 10A 4 x 10A 37 x 10A 19 x 10A	3 x 20A 4 x 20A 10 x 20A 9 x 20A	2 x 42A	2 x 75A			NWXYZ NWXYZ NWXYZ NWXYZ NX	* A & D A A A * A & Inst
32 32 32 32 32 32 32 32	1 3 6 7 17 A13 A69 T3	5 9 23 35 4 13 61 3		4 x 10A 16 x 10A 28 x 10A 20 x 10A	3 x 20A 2 x 20A 7 x 20A 13 x 20A	3 x 42A	2 x 75A 2 x 75A 4 x 75A	2 x 135A 1 x 135A		NWXYZ NWXYZ NWXYZ NWXYZ NWXY NWXYZ NX N	* E & D D A * A & Inst D D Inst Inst
36 36 36 36	5 6 10 A22	4 6 48 22		48 x 10A	22 x 20A		4 x 75A	4 x 135A 2 x 135A		NX NWXYZ NWXYZ NWXYZ	A A A D
40 40 40	A35 A60 E4	35 60 4		60 x 10A	35 x 20A			4 x 135A		NWXYZ NWXYZ NWXYZ	D A E

SERVICE RATING	SEA LEVEL 1013 mbar				8,500m (27,800 ft) 300 mbar				* Contact arrangements/service ratings		
	Inst	A	D	E	Inst	A	D	E	18-1 Contacts B, C, F, G	= A Balance	= Inst
WORKING VOLTAGE DC or AC peak	350	700	1250	1750	100	200	350	500	20-A9 Contacts J	= D Balance	= Inst
VOLTAGE PROOF DC or AC peak	1050	2100	3000	3000	300	600	900	900	22-27 Contacts J	= D Balance	= A
									28-10 Contacts G	= D Balance	= A
									28-A63 Contacts E	= A Balance	= Inst
								32-1 Contacts A	= E Balance	= D	
								32-7 Contacts A, B, H & J	= Inst Balance	= A	

# ABBMS

## Alternative Insert Orientations

### View on Mating Face of Pin Inserts



Colour code: Yellow Blue Green Purple White

CONTACT ARRANGEMENT	ANGULAR DISPLACEMENT OF INSERT			
	W	X	Y	Z
10SL-3	-	-	-	-
10SL-4	-	-	-	-
14S-2	-	120	240	-
14S-5	-	110	-	-
14S-6	-	-	-	-
14S-7	90	180	270	-
16S-1	80	-	-	280
16-10	90	180	270	-
16-12	-	-	-	-
18-1	70	145	215	290
18-11	-	170	265	-
18-12	80	-	-	280
20-2	-	-	-	-
20-3	70	145	215	290
20-8	80	110	250	280
20-A9	-	110	250	-
20-15	80	-	-	280
20-21	35	110	250	325
20-A48	-	80	280	-
22-2	70	145	215	290
22-12	80	110	250	280
22-14	80	110	250	280
22-19	80	110	250	280
22-22	-	110	250	-
22-27	80	-	-	280
24-V1	-	-	-	-
24-2	80	-	-	280
24-7	80	110	250	280
24-10	80	-	-	280
24-11	35	110	250	325
24-12	80	110	250	280
24-22	45	110	250	-
28-10	80	110	250	280
28-11	80	110	250	280
28-20	80	110	250	280
28-21	80	110	250	280
28-A63	-	100	260	-
32-1	80	110	250	280
32-3	80	110	250	280
32-6	80	110	250	280
32-7	80	125	235	280
32-17	45	110	250	-
32-A13	65	130	230	295
32-A69	-	110	250	-
32-T3	-	-	-	-
36-5	-	120	240	-
36-6	35	110	250	325
36-10	80	125	235	280
36-A22	80	110	250	280
40-A35	70	130	230	290
40-A60	80	110	250	280
40-E4	45	110	-	-

# ABBMS

## Connector and Accessories Compatibility

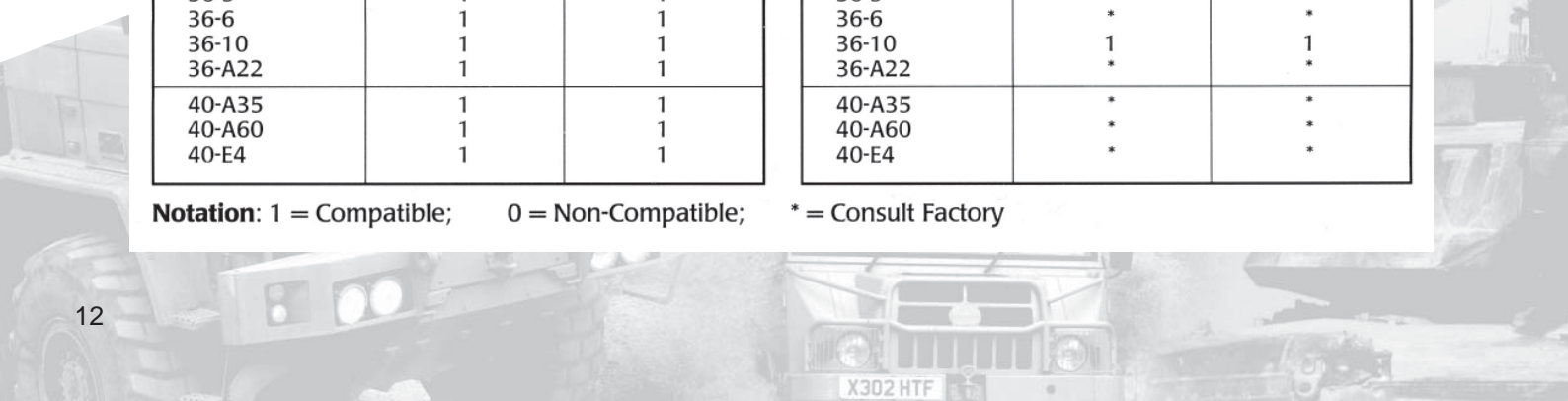
**Note.** ABB/ABCIR grommets available in polychloroprene or low halogen material.

<b>Compatibility of ABB (121B/VG) - BS 9522 F0032 Grommets/ Accessories</b>		
Contact Arrangement	Solder	Crimp
10SL-3	1	1
10SL-4	1	1
14S-2	1	1
14S-5	1	1
14S-6	1	1
14S-7	1	1
16S-1	1	1
16-10	1	1
16-12	1	1
18-1	1	1
18-11	1	1
18-12	1	1
20-2	1	1
20-3	1	1
20-8	1	1
20-A9	1	1
20-15	1	1
20-21	1	1
20-A48	1	1
22-2	1	1
22-12	1	1
22-14	1	1
22-19	1	1
22-22	1	1
22-27	1	1
24-2	1	1
24-7	1	1
24-10	1	1
24-11	1	1
24-12	1	1
24-22	1	1
24-V1	*	*
28-10	1	1
28-11	1	1
28-20	1	1
28-21	1	1
28-A63	1	1
32-1	1	1
32-3	1	1
32-6	1	1
32-7	1	1
32-17	1	1
32-A13	1	1
32-A69	1	1
32-T3	*	*
36-5	1	1
36-6	1	1
36-10	1	1
36-A22	1	1
40-A35	1	1
40-A60	1	1
40-E4	1	1

**Note.** Consult factory for availability of MSE grommets in low halogen material.

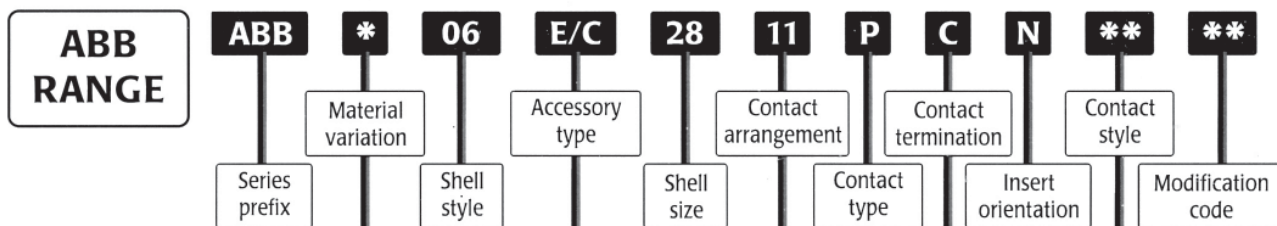
<b>Compatibility of SBMS - BS 9522 F0030 Grommets/ Accessories</b>		
Contact Arrangement	Solder	Crimp
10SL-3	1	1
10SL-4	1	1
14S-2	1	1
14S-5	1	1
14S-6	1	1
14S-7	1	1
16S-1	1	1
16-10	1	0
16-12	*	*
18-1	1	1
18-11	1	0
18-12	*	*
20-2	1	1
20-3	*	*
20-8	*	*
20-A9	*	*
20-15	1	0
20-21	*	*
20-A48	1	1
22-2	1	0
22-12	*	*
22-14	1	1
22-19	1	1
22-22	1	0
22-27	*	*
24-2	1	1
24-7	1	0
24-10	*	*
24-11	1	0
24-12	1	0
24-22	*	*
24-V1	*	*
28-10	1	0
28-11	1	0
28-20	*	*
28-21	1	1
28-A63	*	*
32-1	1	1
32-3	*	*
32-6	1	0
32-7	1	0
32-17	*	*
32-A13	*	*
32-A69	*	*
32-T3	*	*
36-5	*	*
36-6	*	*
36-10	1	1
36-A22	*	*
40-A35	*	*
40-A60	*	*
40-E4	*	*

**Notation:** 1 = Compatible; 0 = Non-Compatible; \* = Consult Factory



# ABBMS

## Part Number Explanation



**Series prefix:** **ABB** - Approved to BS9522 F0032 & VG95234

**HTABB** - High temp. ABB ( - 40° - C + 190° C ).

**Material variation:** **H** - Halogen Free material, leave blank for standard material.

- Shell style:**
- 00** - Square Flange receptacle Front panel mounting.
  - 01** - Cable mounted receptacle.
  - 03** - Square Flange receptacle rear panel mounting.
  - 06** - Plug with arctic grip coupling nut and RFI grounding.
  - NS06** - Plug with arctic grip coupling nut. No RFI grounding.
  - E06** - Plug with fine knurl grip coupling nut. No RFI grounding.
  - SE06** - Plug with fine knurl grip coupling nut and RFI grounding.

**07** - Bulkhead receptacles.

**08** - Plugs with 90° angled outlet.

**NS08**  
**E08**  
**SE08** } Coupling nut types and RFI grounding as per 06 version above.

**Accessory type:** For various accessories see page 12.

**Shell size:** **10SL** to **40** (in sixteenths of an inch)

**Contact arrangement:** See pages 3 - 7.

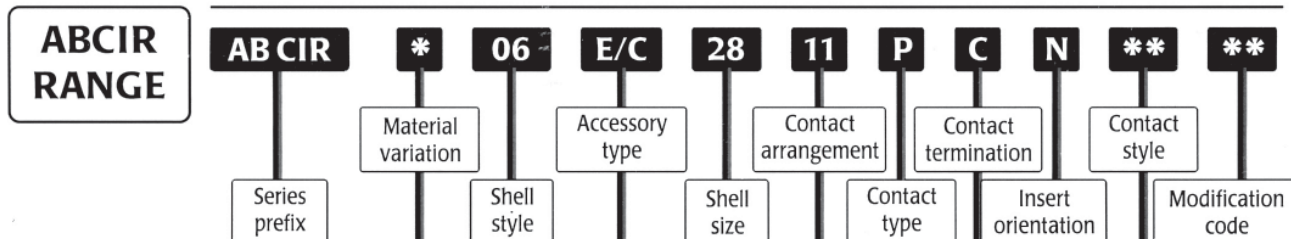
**Contact types:** **P** pin, **S** socket, **H** Bulkhead ( 07 ) receptacle only.

**Contact termination:** **S** solder, non-removable, **C** Crimp, removable.

**Insert orientation:** **N** normal, **W,X,Y,Z** alternative insert positions. See page 9.

**Contact style:** **F 80** F80 style contacts, leave blank for standard VG95234 style contacts.

**Modification code:** Please consult Factory.



**Series prefix:** ABCIR

**Material Variation:** **H** - Halogen Free material, leave blank for standard material

- Shell style:**
- 00** - Square Flange receptacle Front panel mounting.
  - 01** - Cable mounted receptacle.
  - 03** - Square Flange receptacle rear panel mounting.
  - P06** - Plug with rubberised coupling nut. No RFI grounding.
  - 06** - Plug with fine knurl grip coupling nut. No RFI grounding.
  - SE06** - Plug with Fine knurl grip coupling nut and RFI grounding.
  - 07** - Bulkhead receptacles.
  - 08** - Plugs with 90° angled outlet.
  - SE08** } Coupling nut types and RFI grounding as per 06 version above.

**Accessory type:** For various accessories see page 12.

**Shell size:** **10SL** to **40** (in sixteenths of an inch).

**Contact arrangement:** See pages 3 - 7.

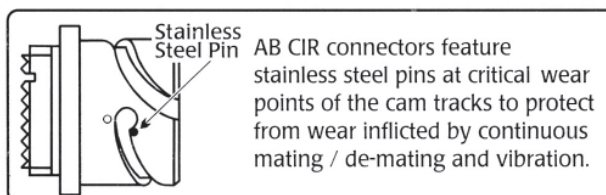
**Contact type:** **P** pin, **S** socket, **H** Bulkhead ( 07 ) receptacle only.

**Contact termination:** **S** Solder, non removable **C** Crimp, removable.

**Insert Orientation:** **N** normal, **W,X,Y,Z** alternative insert positions. See page 9.

**Contact style:** **F 80** F80 style contacts, leave blank for standard VG95234 style contacts.

**Modification code:** Please consult Factory.



# ABBMS

## Part Number Explanation - Accessory Types

The following accessory types can be used with both ABB & ABCIR Ranges.

### ACCESSORY TYPE:

<b>A</b>	- No rear threads and no accommodation for accessories. Shell styles 00 & 03.	<b>G</b>	- Heat shrink adaptor. BS9522 F0032/VG95234 approved.
<b>D</b>	- Straight cable Clamp. BS9522 F0032/VG95234 approved.	<b>GG</b>	- Non-locking conduit reducing adaptor with grommet and follower.
<b>E</b>	- 5MS Plain grommet, grommet nut and follower. BS9522 F0030 approved.	<b>GM</b>	- Locking RFI shielded adaptor with grommet. For banded screening system.
<b>E/V</b>	- Grommet, grommet nut and follower. BS9522 F0032/VG95234 approved.	<b>GS</b>	- Non-locking heat shrink adaptor with grommet and follower.
<b>E/C</b>	- 5MS Cable Clamp, grommet and follower. BS9522 F0030 approved.	<b>H</b>	- Conduit termination adaptor. BS9522 F0032/VG95234 approved.
<b>E/A</b>	- 5MS 90° Outlet with grommet nut and grommets. BS9522 F0030 approved.	<b>H/C</b>	- Locking Cable Clamp. BS9522 F0032/VG95234 approved.
<b>E/AC</b>	- 5MS 90° Outlet with 5MS Cable Clamp and grommets. BS9522 F0030 approved.	<b>JE</b>	- Non-locking conduit adaptor with 3057A cable clamp, grommet and Follower.
<b>E/AT</b>	- 5MS 90° Outlet with rear end threads for accessory accommodation. BS9522 F0030 approved.	<b>M</b>	- Adaptor for termination of shielding braids. BS9522 F0032/VG95234 approved.
<b>E/MC</b>	- 5MS Multicore Cable Clamp with grommet and follower. BS9522 F0030 approved.	<b>LM</b>	- Adaptor for termination of shielding braids. VG95234 approved. R2 Style.
<b>F</b>	- 90° Angled outlet with cable clamp. BS9522 F0032/VG95234 approved.	<b>R</b>	- Non-locking conduit adaptor with grommet and Follower.
<b>FT</b>	- 90° Angled outlet with rear end threads for conduit termination. BS9522 F0032/VG95234 approved.	<b>RM</b>	- Non-locking conduit adaptor with braid screen trap.
<b>FM</b>	- 90° Outlet RFI Shielded Accessory Type FM.	<b>SM</b>	- Adaptor for termination of shielding braids. VG95234 approved. R1 Style.
		<b>T</b>	- Rear threads for accessory accommodation.

# ABBMS

## Calculating Overall Lengths of Connector with Accessories

### Connectors with straight outlets

**Overall length** = connector length + accessory length - accessory overlap.

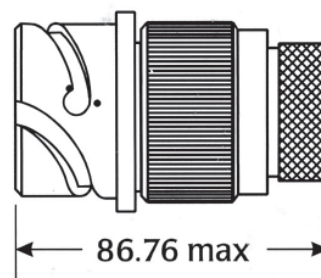
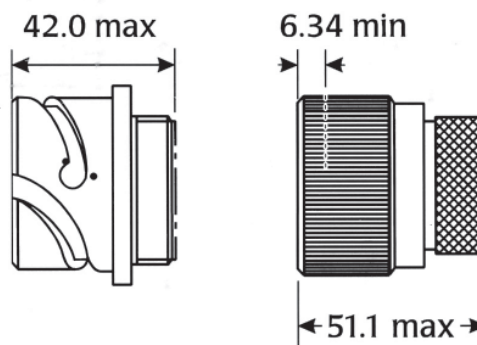
**Typical example:-**

ABCIR - 03T - 2811 - PCN - P3 plus  
ABB - 28 - 11 - HSAS.

**New part no:-**

ABCIR - 03GM - 2811 - PCN - P3.

**Max overall length** = 42.00 max +  
51.1 max - 6.34 min = 86.76 max.



### Connectors with 90° Angled Outlets

**Overall length** = connector length + (length to outlet ctr + 1/2 Thread dia) - overlap.

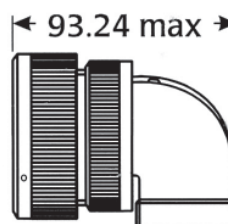
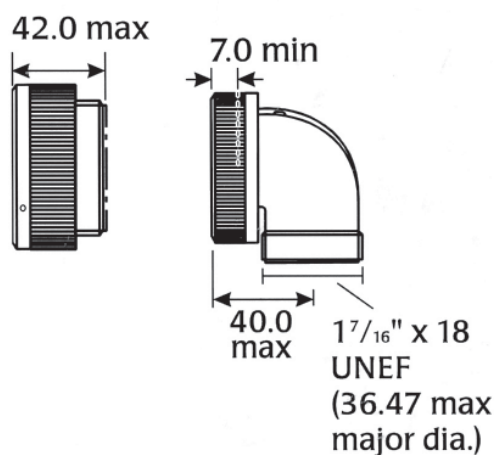
**Typical example:-**

ABCIRSE - 06T - 2811 - SCN - P3 plus  
ABB - 2811 - FT.

**New part no:-**

ABCIRSE - 08FT - 2811 - SCN - P3.

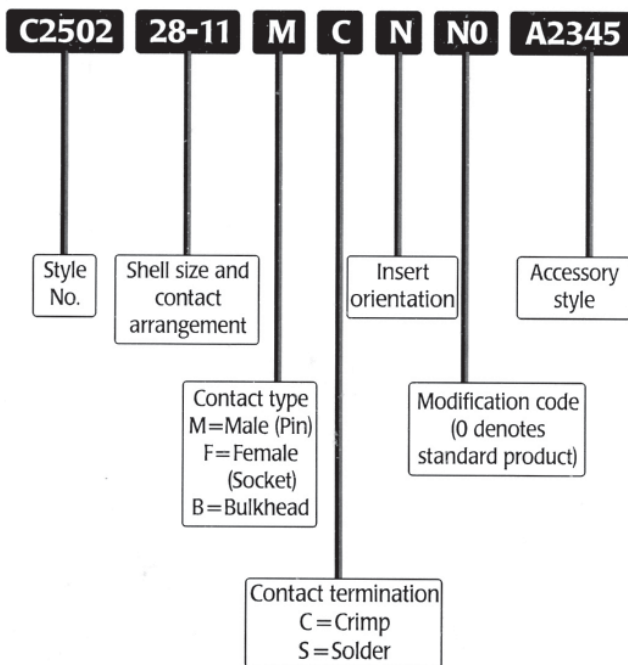
**Max overall length** = 42.0 max +  
40.0 max + 18.24 max - 7.0 min =  
93.24 max.



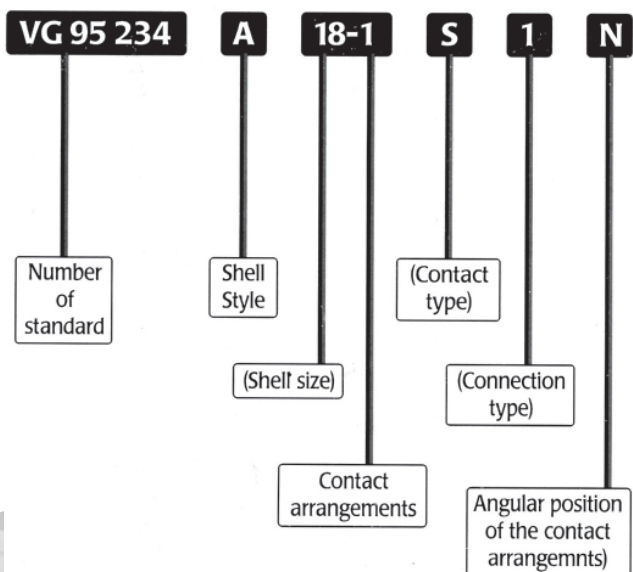
# ABBMS

## Explanations

### BS Part No. Explanation



### VG Part No. Explanation



### ABB MS Bayonet connectors cross reference table

AB connector style	BS9522 F0032 style	VG 95234 style	AB connector style	BS9522 F0032 style	VG 95234 style
ABB00A		A	ABB03G.M6		U1
ABB00A.M6			ABB03H	C2510	
ABB00T	C2503		ABB03H.M6	C2512	
ABB00T.M6	C2504		ABB03H/C	C2510+A2521	
ABB00E	C2503+A2344		ABB03H/C.M6	C2512+A2521	
ABB00E.M6	C2504+A2344		ABB03M	C2514	N2
ABB00E/C	C2503+A2345		ABB03M.M6	C2516	N1
ABB00E/C.M6	C2504+A2345		ABB03F		
ABB00E/MC	C2503+A2346		ABB03F.M6		
ABB00E/MC.M6	C2504+A2346		ABB03FT		
ABB00E/A	C2503+A2357		ABB03FT.M6		
ABB00E/A.M6	C2504+A2357		ABB07	C2507	C2
ABB00E/AT	C2503+A2348		ABB07.M6	C2508	C1
ABB00E/AT.M6	C2504+A2348		ABB06T	C2502	
ABB00E/AC	C2503+A2358		ABBNS06T	C2501	
ABB00E/AC.M6	C2504+A2358		ABB06E	C2502+A2344	
ABB00D	C2503+A2527		ABBNS06E	C2501+A2344	
ABB00D.M6	C2504+A2527		ABB06E/C	C2502+A2345	
ABB00G	C2503+A2525		ABBNS06E/C	C2501+A2345	
ABB00G.M6	C2504+A2525		ABB06E/MC	C2502+A2346	
ABB00H	C2503+A2524		ABBNS06E/MC	C2501+A2346	
ABB00H.M6	C2504+A2524		ABB08E	C2502+A2357	
ABB00H/C	C2503+A2760		ABBNS08E	C2501+A2357	
ABB00H/C.M6	C2504+A2760		ABB08T	C2502+A2348	
ABB00M	C2503+A2526		ABBNS08T	C2501+A2348	
ABB00M.M6	C2504+A2526		ABB08E/C	C2502+A2358	
ABB00F	C2503+A2523		ABBNS08E/C	C2501+A2358	
ABB00F.M6	C2504+A2523		ABB06D	C2502+A2527	
ABB00FT	C2503+A2522		ABBNS06D	C2501+A2527	
ABB00FT.M6	C2504+A2522		ABB06G	C2502+A2525	
ABB001T	C2509		ABBNS06G	C2501+A2525	
ABB001E	C2509+A2344		ABB06H	C2502+A2524	
ABB001E/C	C2509+A2345		ABBNS06H	C2501+A2524	
ABB001E/MC	C2509+A2346		ABB06H/C	C2502+A2760	
ABB01D	C2509+A2527	F	ABBNS06H/C	C2501+A2760	
ABB01G	C2509+A2525		ABB06M	C2502+A2526	
ABB01H	C2509+A2524		ABBNS06M	C2501+A2526	
ABB01H/C	C2509+A2760		ABB08F	C2502+A2523	
ABB01M	C2509+A2526		ABBNS08F	C2501+A2523	
ABB03A	C2758	B2	ABB08FT	C2502+A2522	
ABB03A.M6	C2759	B1	ABBNS08FT	C2501+A2522	
ABB03T			ABBE06T	C2528	
ABB03T.M6			ABBSE06T	C2529	
ABB03E			ABBE06D	C2528+A2527	D
ABB03E.M6			ABBSE06D	C2529+A2527	
ABB03E/C			ABBE06G	C2528+A2525	G
ABB03E/C.M6			ABBSE06G	C2529+A2525	T
ABB03E/MC			ABBE06H	C2528+A2524	H
ABB03E/MC.M6			ABBSE06H	C2529+A2524	L
ABB03E/A			ABB06H/C	C2528+A2760	
ABB03E/A.M6			ABBSE06H/C	C2529+A2760	
ABB03E/AT			ABBE06M	C2528+A2526	
ABB03E/AT.M6			ABBSE06M	C2529+A2526	M
ABB03E/AC			ABBE08F	C2528+A2523	E
ABB03E/AC.M6			ABBSE08F	C2529+A2523	
ABB03D		J2	ABBE08FT	C2528+A2522	E1
ABB03D.M6		J1	ABBSE08FT	C2529+A2522	K
ABB03G		U2			



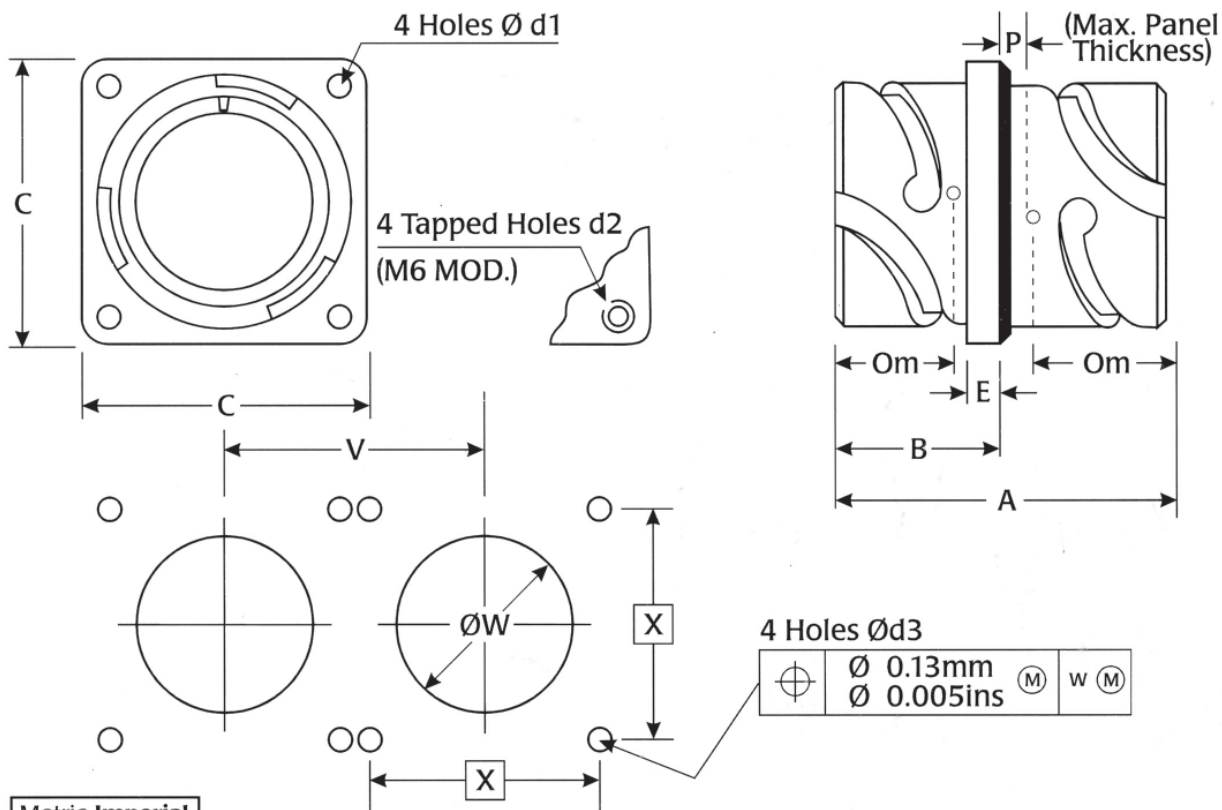
# ABBMS

Bulkhead Receptacle -

Styles: ABB07/ABB07...M6,  
ABCIR07/ABCIR07...M6,

BS Styles: C2507/C2508

VG Styles: C2/C1



Metric Imperial

Shell size	A max	B max	C max	Ød1 <small>+0.2-0 +0.008-0</small>	d2 Thread	E max	P	Om min overlap mated	Ød3 H13	V	W	X
<b>10 SL</b>	38.2 <b>1.504</b>	17.6 <b>0.693</b>	25.7 <b>1.012</b>	3.2 <b>0.126</b>	M4	3.0 <b>0.118</b>	3.3 <b>0.130</b>	11.1 <b>0.437</b>	3.4 <b>0.134</b>	26.6 <b>1.047</b>	18.58 <b>0.732</b>	18.2 <b>0.717</b>
<b>14 S</b>	38.2 <b>1.504</b>	18.0 <b>0.709</b>	30.3 <b>1.193</b>	3.2 <b>0.126</b>	M4	3.4 <b>0.134</b>	3.3 <b>0.130</b>	11.1 <b>0.437</b>	3.4 <b>0.134</b>	31.6 <b>1.244</b>	24.98 <b>0.984</b>	23.0 <b>0.906</b>
<b>16 S</b>	38.2 <b>1.504</b>	18.0 <b>0.709</b>	32.8 <b>1.291</b>	3.2 <b>0.126</b>	M4	3.4 <b>0.134</b>	3.3 <b>0.130</b>	11.1 <b>0.437</b>	3.4 <b>0.134</b>	34.4 <b>1.354</b>	27.78 <b>1.094</b>	24.6 <b>0.969</b>
<b>16</b>	52.1 <b>2.051</b>	22.8 <b>0.898</b>	32.8 <b>1.291</b>	3.2 <b>0.126</b>	M4	3.4 <b>0.134</b>	3.3 <b>0.130</b>	15.85 <b>0.624</b>	3.4 <b>0.134</b>	34.4 <b>1.354</b>	27.78 <b>1.094</b>	24.6 <b>0.969</b>
<b>18</b>	52.1 <b>2.051</b>	23.6 <b>0.929</b>	35.3 <b>1.390</b>	3.2 <b>0.126</b>	M4	4.2 <b>0.165</b>	3.3 <b>0.130</b>	15.85 <b>0.624</b>	3.4 <b>0.134</b>	38.3 <b>1.508</b>	31.18 <b>1.228</b>	27.0 <b>1.063</b>
<b>20</b>	52.1 <b>2.051</b>	23.6 <b>0.929</b>	38.3 <b>1.508</b>	3.2 <b>0.126</b>	M4	4.2 <b>0.165</b>	3.3 <b>0.130</b>	15.85 <b>0.624</b>	3.4 <b>0.134</b>	41.7 <b>1.642</b>	34.58 <b>1.361</b>	29.4 <b>1.157</b>
<b>22</b>	52.1 <b>2.051</b>	23.6 <b>0.929</b>	41.3 <b>1.626</b>	3.2 <b>0.126</b>	M4	4.2 <b>0.165</b>	3.3 <b>0.130</b>	15.75 <b>0.620</b>	3.4 <b>0.134</b>	45.2 <b>1.780</b>	37.78 <b>1.487</b>	31.8 <b>1.252</b>
<b>24</b>	52.1 <b>2.051</b>	25.2 <b>0.992</b>	44.8 <b>1.764</b>	3.7 <b>0.146</b>	M4	4.2 <b>0.165</b>	3.3 <b>0.130</b>	15.75 <b>0.620</b>	3.9 <b>0.154</b>	48.7 <b>1.917</b>	41.28 <b>1.625</b>	34.9 <b>1.374</b>
<b>28</b>	52.1 <b>2.051</b>	25.2 <b>0.992</b>	51.1 <b>2.012</b>	3.7 <b>0.146</b>	M5	4.2 <b>0.165</b>	3.3 <b>0.130</b>	15.75 <b>0.620</b>	3.9 <b>0.154</b>	55.5 <b>2.185</b>	47.08 <b>1.854</b>	39.7 <b>1.563</b>
<b>32</b>	52.1 <b>2.051</b>	26.8 <b>1.055</b>	57.3 <b>2.256</b>	4.3 <b>0.169</b>	M5	4.2 <b>0.165</b>	3.3 <b>0.130</b>	15.75 <b>0.620</b>	4.5 <b>0.177</b>	62.4 <b>2.457</b>	53.78 <b>2.117</b>	44.5 <b>1.752</b>
<b>36</b>	52.1 <b>2.051</b>	26.8 <b>1.055</b>	63.8 <b>2.512</b>	4.3 <b>0.169</b>	M5	4.2 <b>0.165</b>	3.3 <b>0.130</b>	15.75 <b>0.620</b>	4.5 <b>0.177</b>	69.0 <b>2.717</b>	59.98 <b>2.361</b>	49.2 <b>1.937</b>
<b>40</b>	52.1 <b>2.051</b>	26.8 <b>1.055</b>	70.2 <b>2.764</b>	4.3 <b>0.169</b>	M5	4.2 <b>0.165</b>	3.3 <b>0.130</b>	15.75 <b>0.620</b>	4.5 <b>0.177</b>	75.0 <b>2.953</b>	66.68 <b>2.630</b>	55.5 <b>2.185</b>

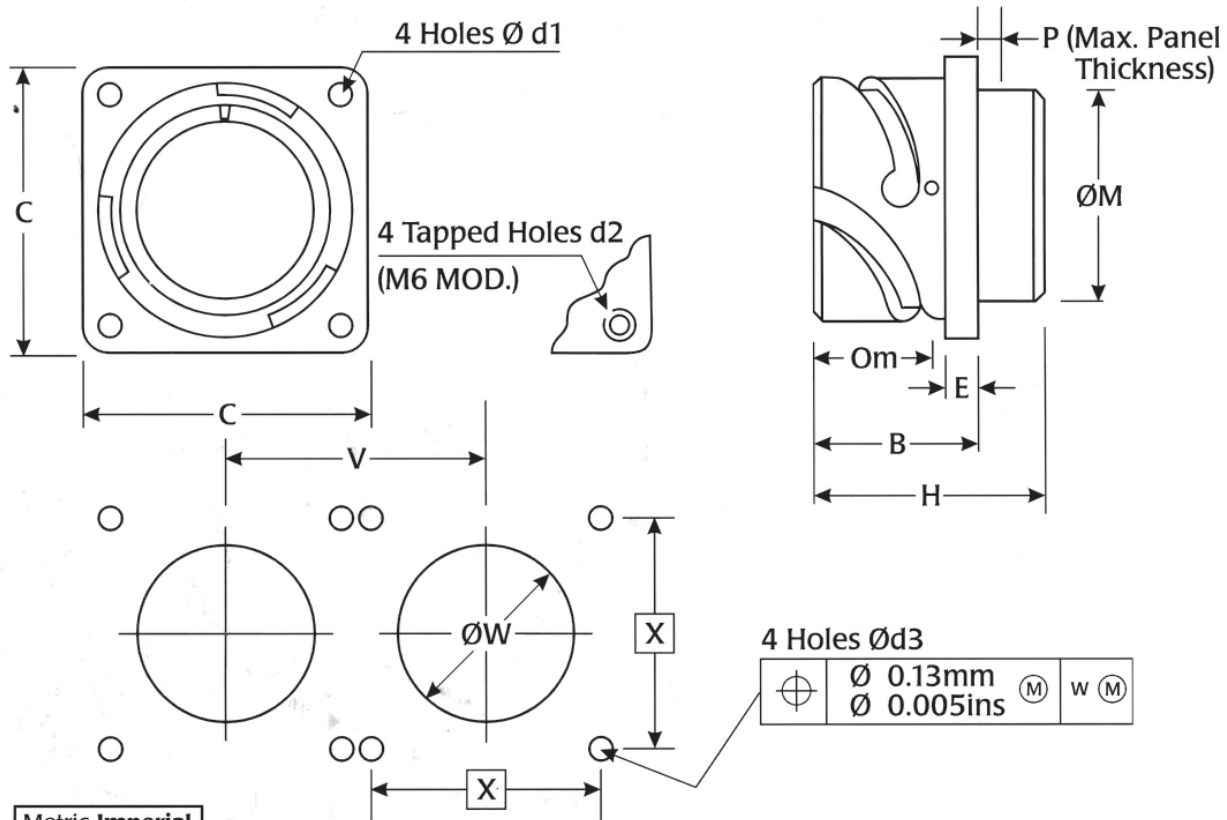
# ABBMS

Square Flange Receptacle - Front Mounting (without accessory thread).

Styles: ABB00A/ABB00A...M6

ABCIR00A/ABCIR00A...M6,

VG Style: A



Metric Imperial

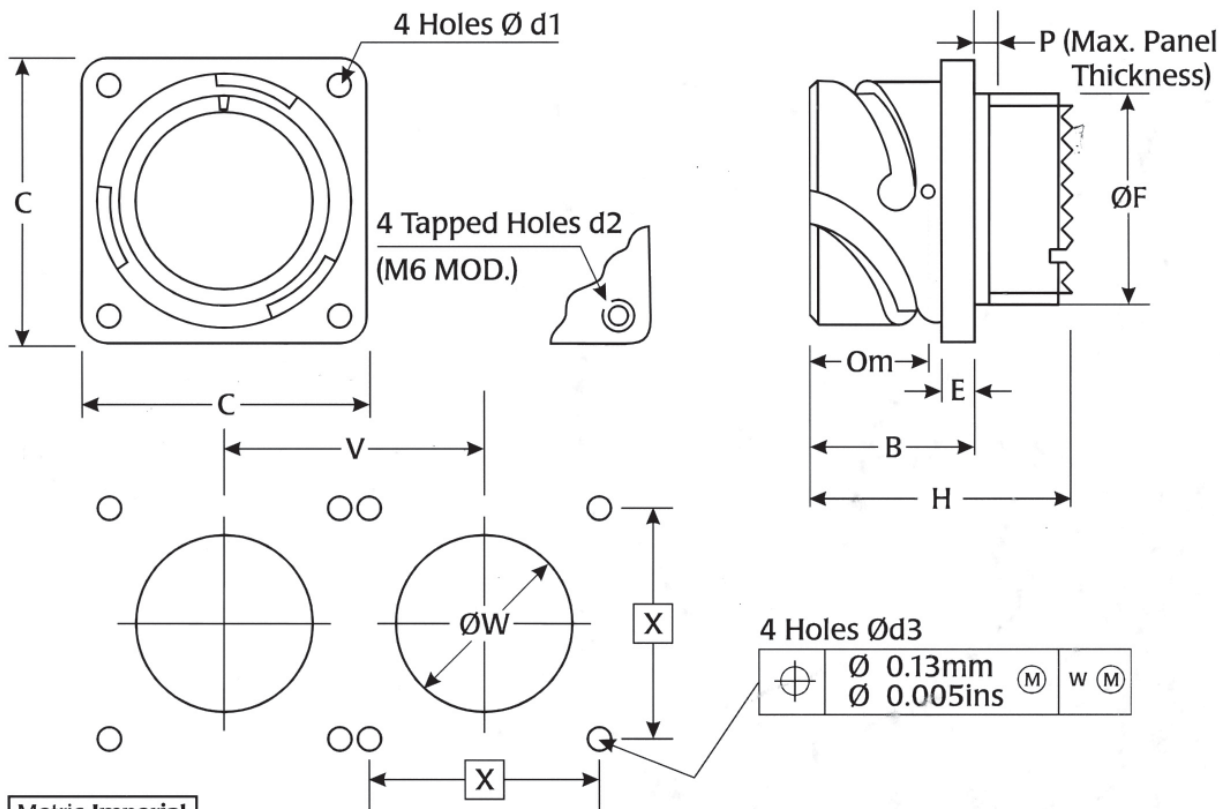
Shell size	B max	C max	Ød1 +0.2-0 +0.008-0	d2 Thread	E max	ØM max	H max	P	Om min overlap mated	Ød3 H13	V	W	X
10 SL	17.6 0.693	25.7 1.012	3.2 0.126	M4	3.0 0.118	16.1 0.634	24.7 0.972	3.3 0.130	11.1 0.437	3.4 0.134	26.6 1.047	17.0 0.669	18.2 0.717
14 S	18.0 0.709	30.3 1.193	3.2 0.126	M4	3.4 0.134	19.2 0.756	24.7 0.972	3.3 0.130	11.1 0.437	3.4 0.134	31.6 1.244	20.0 0.787	23.0 0.909
16 S	18.0 0.709	32.8 1.291	3.2 0.126	M4	3.4 0.134	22.4 0.882	24.7 0.972	3.3 0.130	11.1 0.437	3.4 0.134	34.4 1.354	23.0 0.906	24.6 0.969
16	22.8 0.898	32.8 1.291	3.2 0.126	M4	3.4 0.134	22.4 0.882	33.8 1.331	3.3 0.130	15.85 0.624	3.4 0.134	34.4 1.354	23.0 0.906	24.6 0.969
18	23.6 0.929	35.3 1.390	3.2 0.126	M4	4.2 0.165	25.6 1.008	33.8 1.331	3.3 0.130	15.85 0.624	3.4 0.134	38.3 1.508	26.0 1.024	27.0 1.063
20	23.6 0.929	38.3 1.508	3.2 0.126	M4	4.2 0.165	29.0 1.142	33.8 1.331	3.3 0.130	15.85 0.624	3.4 0.134	41.7 1.642	30.0 1.181	29.4 1.157
22	23.6 0.929	41.3 1.626	3.2 0.126	M4	4.2 0.165	31.92 1.257	33.8 1.331	3.3 0.130	15.75 0.620	3.4 0.134	45.2 1.780	33.0 1.299	31.8 1.252
24	25.2 0.992	44.8 1.764	3.7 0.146	M4	4.2 0.165	35.3 1.390	33.8 1.331	3.3 0.130	15.75 0.620	3.9 0.154	48.7 1.917	36.0 1.417	34.9 1.374
28	25.2 0.992	51.1 2.012	3.7 0.146	M5	4.2 0.165	41.4 1.630	33.8 1.331	3.3 0.130	15.75 0.620	3.9 0.154	55.5 2.185	42.0 1.654	39.7 1.563
32	26.8 1.055	57.3 2.256	4.3 0.169	M5	4.2 0.165	47.8 1.882	33.8 1.331	3.3 0.130	15.75 0.620	4.5 0.177	62.4 2.457	48.50 1.909	44.5 1.752
36	26.8 1.055	63.8 2.512	4.3 0.169	M5	4.2 0.165	52.6 2.071	33.8 1.331	3.3 0.130	15.75 0.620	4.5 0.177	69.0 2.717	55.0 2.165	49.2 1.937
40	26.8 1.055	70.2 2.764	4.3 0.169	M5	4.2 0.165	59.0 2.323	36.8 1.449	3.3 0.130	15.75 0.620	4.5 0.177	75.0 2.953	59.1 2.327	55.5 2.185

# ABBMS

Square Flange Receptacle - Front Mounting (with accessory thread).

Styles: ABB00T/ABB00T...M6,  
ABCIR00T/ABCIR00T...M6

BS Styles: C2503/C2504



Metric Imperial

Shell size	B max	C max	Ød1 +0.2-0 +0.008-0	d2 Thread	E max	ØF Thread dia. Class2A	H max	P	Om min overlap mated	Ød3 H13	V	W	X
10 SL	17.6 0.693	25.7 1.012	3.2 0.126	M4	3.0 0.118	5/8" 24 UNEF	29.5 1.161	0.130	11.1 0.437	0.134	1.047	0.635	0.717
14 S	18.0 0.709	30.3 1.193	3.2 0.126	M4	3.4 0.134	3/4" 20 UNEF	29.5 1.161	0.130	11.1 0.437	0.134	1.244	0.760	0.906
16 S	18.0 0.709	32.8 1.291	3.2 0.126	M4	3.4 0.134	7/8" 20 UNEF	29.5 1.161	0.130	11.1 0.437	0.134	1.354	0.885	0.969
16	22.8 0.898	32.8 1.291	3.2 0.126	M4	3.4 0.134	7/8" 20 UNEF	42.0 1.654	0.130	15.85 0.624	0.134	1.354	0.885	0.969
18	23.6 0.929	35.3 1.390	3.2 0.126	M4	4.2 0.165	1" 20 UNEF	42.0 1.654	0.130	15.85 0.624	0.134	1.508	1.010	1.063
20	23.6 0.929	38.3 1.508	3.2 0.126	M4	4.2 0.165	1 1/8" 18 UNEF	42.0 1.654	0.130	15.85 0.624	0.134	1.642	1.135	1.157
22	23.6 0.929	41.3 1.626	3.2 0.126	M4	4.2 0.165	1 1/4" 18 UNEF	42.0 1.654	0.130	15.75 0.620	0.134	1.780	1.260	1.252
24	25.2 0.992	44.8 1.764	3.7 0.146	M4	4.2 0.165	1 3/8" 18 UNEF	42.0 1.654	0.130	15.75 0.620	0.154	1.917	1.385	1.374
28	25.2 0.992	51.1 2.012	3.7 0.146	M5	4.2 0.165	1 5/8" 18 UNEF	42.0 1.654	0.130	15.75 0.620	0.154	2.185	1.635	1.563
32	26.8 1.055	57.3 2.256	4.3 0.169	M5	4.2 0.165	1 7/8" 16 UN	42.0 1.654	0.130	15.75 0.620	0.177	2.457	1.885	1.752
36	26.8 1.055	63.8 2.512	4.3 0.169	M5	4.2 0.165	2 1/16" 16 UNS	42.0 1.654	0.130	15.75 0.620	0.177	2.717	2.073	1.937
40	26.8 1.055	70.2 2.764	4.3 0.169	M5	4.2 0.165	2 5/16" 16 UN	42.0 1.654	0.130	15.75 0.620	0.177	2.953	2.327	2.185

# ABBMS

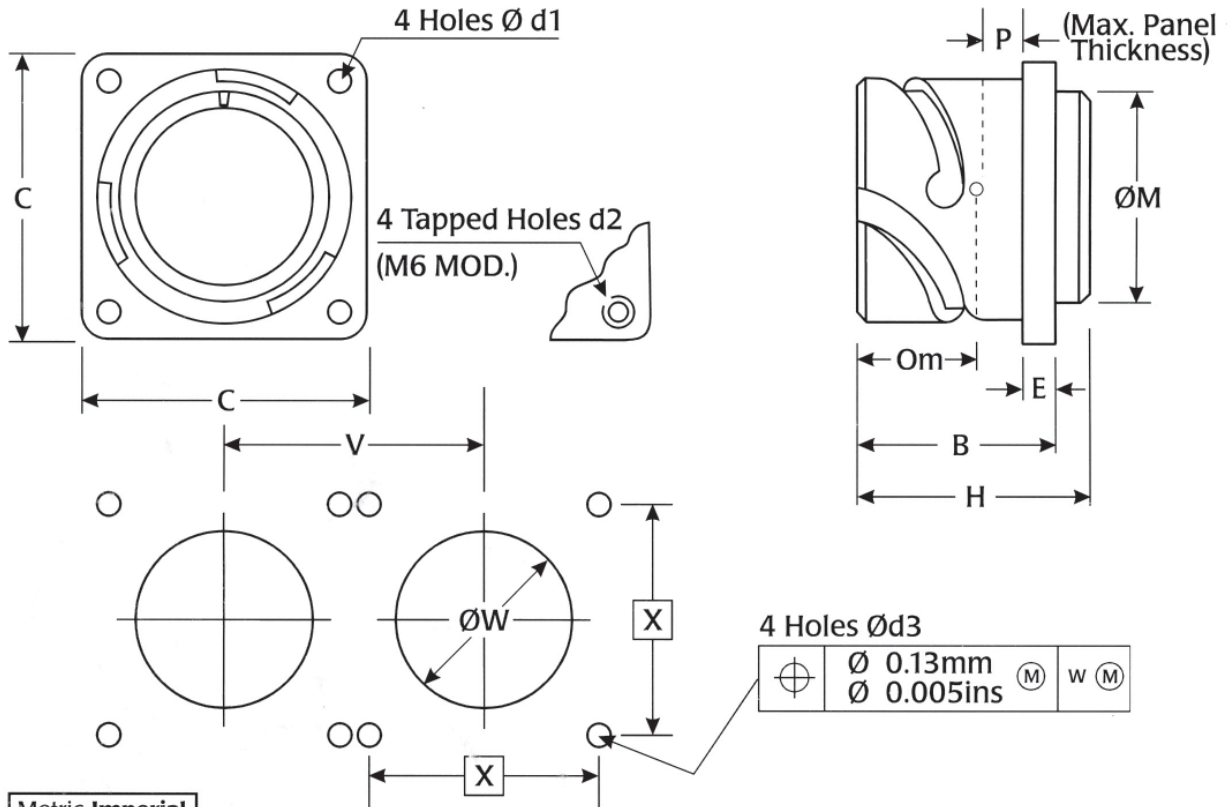
Square Flange Receptacle - Rear Mounting (without accessory thread).

Styles: ABB03A/ABB03A...M6

BS Styles: C2758/C2759

ABCIR03A/ABCIR03A...M6

VG Style: B2/B1



Metric Imperial

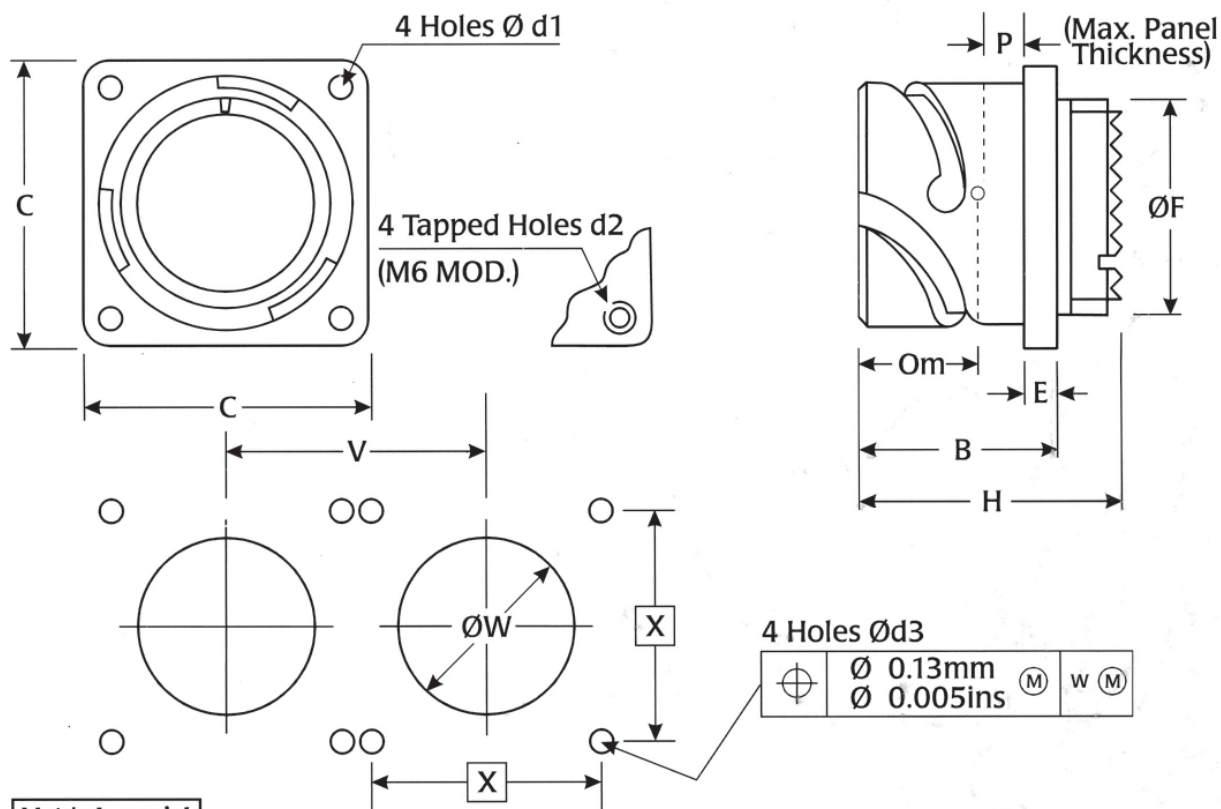
Shell size	B max	C max	Ød1 +0.2-0 +0.008-0	d2 Thread	E max	ØM max	H max	P	Om min overlap mated	Ød3 H13	V	W	X
10 SL	18.6 0.732	25.7 1.012	3.2 0.126	M4	3.0 0.118	16.2 0.638	24.7 0.972	3.3 0.130	11.1 0.437	3.4 0.134	26.6 1.047	18.58 0.732	18.2 0.717
14 S	18.6 0.732	30.3 1.193	3.2 0.126	M4	3.4 0.134	19.2 0.756	24.7 0.972	3.3 0.130	11.1 0.437	3.4 0.134	31.6 1.244	24.98 0.984	23.0 0.906
16 S	18.6 0.732	32.8 1.291	3.2 0.126	M4	3.4 0.134	22.4 0.882	24.7 0.972	3.3 0.130	11.1 0.437	3.4 0.134	34.4 1.354	27.78 1.094	24.6 0.969
16	21.9 0.862	32.8 1.291	3.2 0.126	M4	3.4 0.134	22.4 0.882	33.8 1.331	3.3 0.130	15.85 0.624	3.4 0.134	34.4 1.354	27.78 1.094	24.6 0.969
18	23.45 0.923	35.3 1.390	3.2 0.126	M4	4.2 0.165	25.6 1.008	33.8 1.331	3.3 0.130	15.85 0.624	3.4 0.134	38.3 1.508	31.18 1.228	27.0 1.063
20	23.45 0.923	38.3 1.508	3.2 0.126	M4	4.2 0.165	29.0 1.142	33.8 1.331	3.3 0.130	15.85 0.624	3.4 0.134	41.7 1.642	34.58 1.361	29.4 1.157
22	23.45 0.923	41.3 1.626	3.2 0.126	M4	4.2 0.165	32.2 1.268	33.8 1.331	3.3 0.130	15.75 0.620	3.4 0.134	45.2 1.780	37.78 1.487	31.8 1.252
24	23.45 0.923	44.8 1.764	3.7 0.134	M4	4.2 0.165	35.3 1.390	33.8 1.331	3.3 0.130	15.75 0.620	3.9 0.154	48.7 1.917	41.28 1.625	34.9 1.374
28	24.45 0.963	51.1 2.012	3.7 0.134	M5	4.2 0.165	41.4 1.630	33.8 1.331	3.3 0.130	15.75 0.620	3.9 0.154	55.5 2.185	47.08 1.854	39.7 1.563
32	24.45 0.963	57.3 2.256	4.3 0.169	M5	4.2 0.165	47.8 1.882	33.8 1.331	3.3 0.130	15.75 0.620	4.5 0.177	62.4 2.457	53.78 2.117	44.5 1.752
36	24.45 0.963	63.8 2.512	4.3 0.169	M5	4.2 0.165	52.6 2.071	33.8 1.331	3.3 0.130	15.75 0.620	4.5 0.177	69.0 2.717	59.98 2.361	49.2 1.937
40	24.45 0.963	70.2 2.764	4.3 0.169	M5	4.2 0.165	59.0 2.323	36.9 1.453	3.3 0.130	15.75 0.620	4.5 0.177	75.0 2.953	66.4 2.614	55.5 2.186

# ABBMS

Square Flange Receptacle - Rear Mounting (with accessory thread).

Styles: ABB03T/ABB03T...M6

ABCIR03T/ABCIR03T...M6



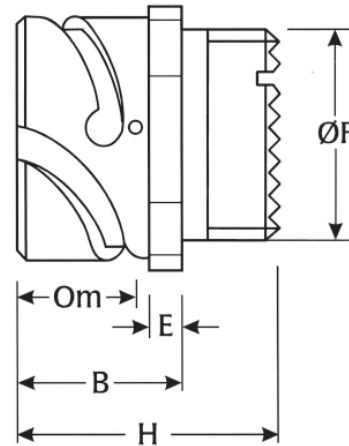
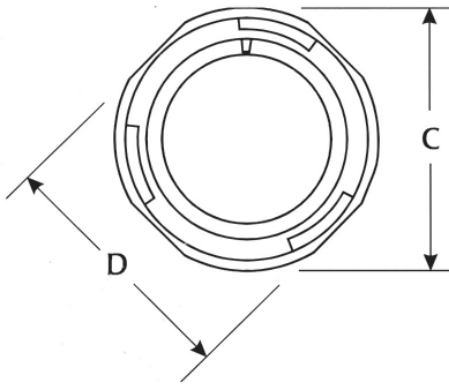
Metric Imperial

Shell size	B max	C max	Ød1 <small>+0.2-0 +0.008-0</small>	d2 Thread	E max	ØF Thread dia. Class 2A	H max	P	Om min overlap mated	Ød3 H13	V	W	X
10 SL	18.6 0.732	25.7 1.012	3.2 0.126	M4	3.0 0.118	5/8" 24 UNEF	29.5 1.161	3.3 0.130	11.1 0.437	3.4 0.134	26.6 1.147	18.58 0.732	18.2 0.717
14 S	18.6 0.732	30.3 1.193	3.2 0.126	M4	3.4 0.134	3/4" 20 UNEF	29.5 1.161	3.3 0.130	11.1 0.437	3.4 0.134	31.6 1.244	24.98 0.984	23.0 0.906
16 S	18.6 0.732	32.8 1.291	3.2 0.126	M4	3.4 0.134	7/8" 20 UNEF	29.5 1.161	3.3 0.130	11.1 0.437	3.4 0.134	34.4 1.354	27.78 1.094	24.6 0.969
16	21.9 0.862	32.8 1.291	3.2 0.126	M4	3.4 0.134	7/8" 20 UNEF	42.0 1.654	3.3 0.130	15.85 0.624	3.4 0.134	34.4 1.354	27.78 1.094	24.6 0.969
18	23.45 0.923	35.3 1.390	3.2 0.126	M4	4.2 0.165	1" 20 UNEF	42.0 1.654	3.3 0.130	15.85 0.624	3.4 0.134	38.3 1.508	31.18 1.228	27.0 1.063
20	23.45 0.923	38.3 1.508	3.2 0.126	M4	4.2 0.165	1 1/8" 18 UNEF	42.0 1.654	3.3 0.130	15.85 0.624	3.4 0.134	41.7 1.642	34.58 1.361	29.4 1.157
22	23.45 0.923	41.3 1.626	3.2 0.126	M4	4.2 0.165	1 1/4" 18 UNEF	42.0 1.654	3.3 0.130	15.75 0.620	3.4 0.134	45.2 1.780	37.78 1.487	31.8 1.252
24	23.45 0.923	44.8 1.764	3.7 0.146	M4	4.2 0.165	1 3/8" 18 UNEF	42.0 1.654	3.3 0.130	15.75 0.620	3.9 0.154	48.7 1.917	41.28 1.625	34.9 1.374
28	24.45 0.963	51.1 2.012	3.7 0.146	M5	4.2 0.165	1 5/8" 18 UNEF	42.0 1.654	3.3 0.130	15.75 0.620	3.9 0.154	55.5 2.185	47.08 1.854	39.7 1.563
32	24.45 0.963	57.3 2.256	4.3 0.169	M5	4.2 0.165	1 7/8" 16 UN	42.0 1.654	3.3 0.130	15.75 0.620	4.5 0.177	62.4 2.457	53.78 2.117	44.5 1.752
36	24.45 0.963	63.8 2.512	4.3 0.169	M5	4.2 0.165	2 1/16" 16 UNS	42.0 1.654	3.3 0.130	15.75 0.620	4.5 0.177	69.0 2.717	59.98 2.361	49.2 1.937
40	24.45 0.963	70.2 2.764	4.3 0.169	M5	4.2 0.165	2 5/16" 16 UN	42.0 1.654	3.3 0.130	15.75 0.620	4.5 0.177	75.0 2.953	66.4 2.614	55.5 2.185

# ABBMS

Cable Mounted Receptacle -  
 Style: ABB01T  
 ABCI01T

BS Style: C2509



**Metric Imperial**

Shell size	B max	C max	D max	E max	ØF Thread dia. Class2A	H max	Om min overlap mated
<b>10 SL</b>	17.6 <b>0.693</b>	25.2 <b>0.992</b>	20.8 <b>0.819</b>	3.0 <b>0.118</b>	5/8" x 24 UNEF	29.5 <b>1.161</b>	11.1 <b>0.437</b>
<b>14 S</b>	18.0 <b>0.709</b>	29.8 <b>1.173</b>	25.6 <b>1.008</b>	3.4 <b>0.134</b>	3/4" x 20 UNEF	29.5 <b>1.161</b>	11.1 <b>0.437</b>
<b>16 S</b>	18.0 <b>0.709</b>	32.3 <b>1.272</b>	28.8 <b>1.134</b>	3.4 <b>0.134</b>	7/8" x 20 UNEF	29.5 <b>1.161</b>	11.1 <b>0.437</b>
<b>16</b>	22.8 <b>0.898</b>	32.3 <b>1.272</b>	28.8 <b>1.134</b>	3.4 <b>0.134</b>	7/8" x 20 UNEF	42.0 <b>1.654</b>	15.85 <b>0.624</b>
<b>18</b>	23.6 <b>0.929</b>	34.8 <b>1.370</b>	31.9 <b>1.256</b>	4.2 <b>0.165</b>	1" x 20 UNEF	42.0 <b>1.654</b>	15.85 <b>0.624</b>
<b>20</b>	23.6 <b>0.929</b>	37.8 <b>1.488</b>	35.1 <b>1.382</b>	4.2 <b>0.165</b>	1 1/8" x 18 UNEF	42.0 <b>1.654</b>	15.85 <b>0.624</b>
<b>22</b>	23.6 <b>0.929</b>	41.1 <b>1.618</b>	38.3 <b>1.508</b>	4.2 <b>0.165</b>	1 1/4" x 18 UNEF	42.0 <b>1.654</b>	15.75 <b>0.620</b>
<b>24</b>	25.2 <b>0.992</b>	44.6 <b>1.756</b>	41.5 <b>1.634</b>	4.2 <b>0.165</b>	1 3/8" x 18 UNEF	42.0 <b>1.654</b>	15.75 <b>0.620</b>
<b>28</b>	25.2 <b>0.992</b>	50.9 <b>2.004</b>	47.8 <b>1.882</b>	4.2 <b>0.165</b>	1 5/8" x 18 UNEF	42.0 <b>1.654</b>	15.75 <b>0.620</b>
<b>32</b>	26.8 <b>1.055</b>	57.1 <b>2.248</b>	54.2 <b>2.134</b>	4.2 <b>0.165</b>	1 7/8" x 16 UN	42.0 <b>1.654</b>	15.75 <b>0.620</b>
<b>36</b>	26.8 <b>1.055</b>	63.8 <b>2.512</b>	60.8 <b>2.394</b>	4.2 <b>0.165</b>	2 1/16" x 16 UNS	42.0 <b>1.654</b>	15.75 <b>0.620</b>
<b>40</b>	26.8 <b>1.055</b>	70.0 <b>2.756</b>	66.7 <b>2.626</b>	4.2 <b>0.165</b>	2 5/16" x 16 UN	42.0 <b>1.654</b>	15.75 <b>0.620</b>

# ABBMS

Arctic Grip Coupling Nut -  
Styles: ABB06T/ABBNS06T

BS Styles: C2502/C2501

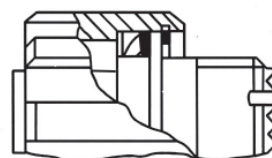
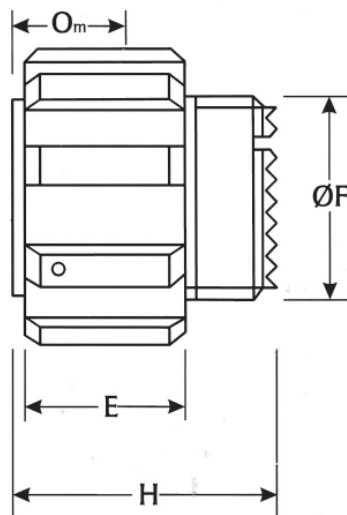
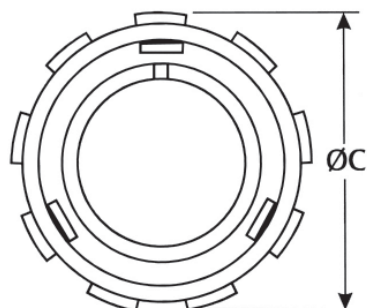


ABB06T Standard Product with RFI Grounding System.

**Metric Imperial**

Shell size	ØC max	E max	ØF Thread form Class 2A	H max	Om min overlap mated
<b>10 SL</b>	24.2 <b>0.953</b>	17.5 <b>0.689</b>	5/8" x 24 UNEF	29.95 <b>1.179</b>	11.1 <b>0.437</b>
<b>14 S</b>	30.6 <b>1.205</b>	17.5 <b>0.689</b>	3/4" x 20 UNEF	29.95 <b>1.179</b>	11.1 <b>0.437</b>
<b>16 S</b>	33.4 <b>1.315</b>	17.5 <b>0.689</b>	7/8" x 20 UNEF	29.95 <b>1.179</b>	11.1 <b>0.437</b>
<b>16</b>	33.4 <b>1.315</b>	24.0 <b>0.945</b>	7/8" x 20 UNEF	42.0 <b>1.654</b>	15.85 <b>0.624</b>
<b>18</b>	37.3 <b>1.469</b>	24.0 <b>0.945</b>	1" x 20 UNEF	42.0 <b>1.654</b>	15.85 <b>0.624</b>
<b>20</b>	40.7 <b>1.602</b>	24.0 <b>0.945</b>	1 1/8" x 18 UNEF	42.0 <b>1.654</b>	15.85 <b>0.624</b>
<b>22</b>	44.2 <b>1.740</b>	24.0 <b>0.945</b>	1 1/4" x 18 UNEF	42.0 <b>1.654</b>	15.85 <b>0.624</b>
<b>24</b>	47.7 <b>1.878</b>	24.0 <b>0.945</b>	1 3/8" x 18 UNEF	42.0 <b>1.654</b>	15.75 <b>0.620</b>
<b>28</b>	54.5 <b>2.146</b>	24.0 <b>0.945</b>	1 5/8" x 18 UNEF	42.0 <b>1.654</b>	15.75 <b>0.620</b>
<b>32</b>	61.4 <b>2.417</b>	27.0 <b>1.063</b>	1 7/8" x 16 UN	42.0 <b>1.654</b>	15.75 <b>0.620</b>
* <b>36</b>	68.0 <b>2.677</b>	27.0 <b>1.063</b>	2 1/16" x 16 UNS	42.0 <b>1.654</b>	15.75 <b>0.620</b>

\* Consult factory for connector shell to accommodate 2" x 18 UNS mating thread - see pages 32 & 36.

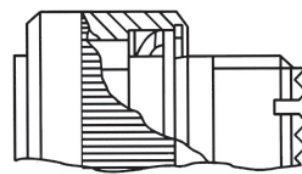
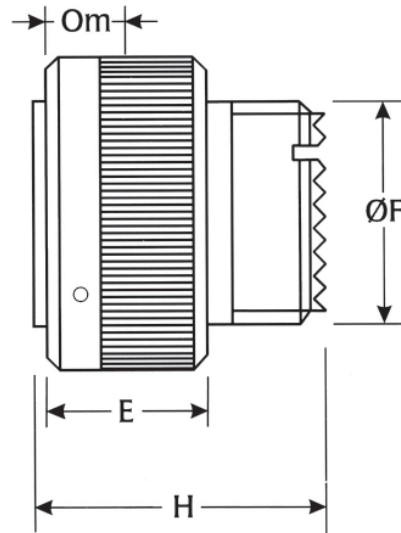
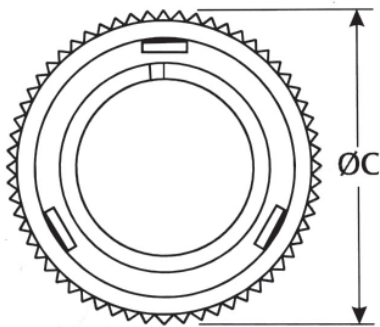
# ABBMS

Fine Knurl Coupling Nut -

Styles: ABBE06T/ABBSE06T

ABCIR06T/ABBCIRSE06T

BS Styles: C2528/C2529



ABCIRSE06T  
ABBSE06T with  
RFI Grounding  
System.

**Metric Imperial**

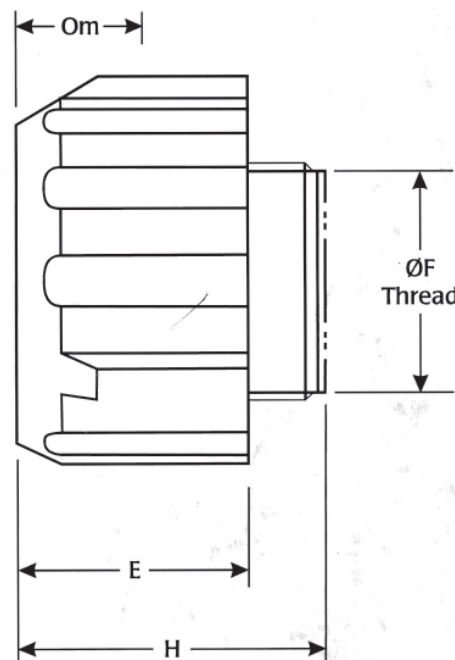
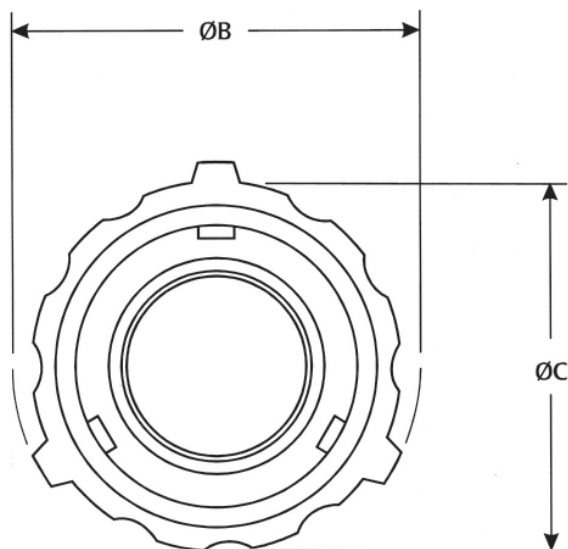
Shell size	ABBE06T ABBSE06T ABCIR06T	ØC max	ABCIRSE06T	E max	ØF Thread form Class2A	H max	O <sub>m</sub> min overlap mated
10 SL	22.8 <b>0.898</b>	24.2 <b>0.953</b>	17.5 <b>0.689</b>	17.5 <b>0.689</b>	5/8" x 24 UNEF	29.95 <b>1.179</b>	11.1 <b>0.437</b>
14 S	29.2 <b>1.150</b>	30.6 <b>1.205</b>	17.5 <b>0.689</b>	17.5 <b>0.689</b>	3/4" x 20 UNEF	29.95 <b>1.179</b>	11.1 <b>0.437</b>
16 S	32.4 <b>1.276</b>	33.4 <b>1.315</b>	17.5 <b>0.689</b>	17.5 <b>0.689</b>	7/8" x 20 UNEF	29.95 <b>1.179</b>	11.1 <b>0.437</b>
16	32.4 <b>1.276</b>	33.4 <b>1.315</b>	24.0 <b>0.945</b>	24.0 <b>0.945</b>	7/8" x 20 UNEF	42.0 <b>1.654</b>	15.85 <b>0.624</b>
18	36.5 <b>1.437</b>	37.3 <b>1.468</b>	24.0 <b>0.945</b>	24.0 <b>0.945</b>	1" x 20 UNEF	42.0 <b>1.654</b>	15.85 <b>0.624</b>
20	39.9 <b>1.571</b>	40.7 <b>1.602</b>	24.0 <b>0.945</b>	24.0 <b>0.945</b>	1 1/8" x 18 UNEF	42.0 <b>1.654</b>	15.85 <b>0.624</b>
22	43.1 <b>1.697</b>	44.2 <b>1.740</b>	24.0 <b>0.945</b>	24.0 <b>0.945</b>	1 1/4" x 18 UNEF	42.0 <b>1.654</b>	15.85 <b>0.624</b>
24	46.6 <b>1.835</b>	47.7 <b>1.878</b>	24.0 <b>0.945</b>	24.0 <b>0.945</b>	1 3/8" x 18 UNEF	42.0 <b>1.654</b>	15.75 <b>0.620</b>
28	53.4 <b>2.102</b>	54.5 <b>2.146</b>	24.0 <b>0.945</b>	24.0 <b>0.945</b>	1 5/8" x 18 UNEF	42.0 <b>1.654</b>	15.75 <b>0.620</b>
32	60.1 <b>2.366</b>	61.4 <b>2.417</b>	27.0 <b>1.063</b>	27.0 <b>1.063</b>	1 7/8" x 16 UN	42.0 <b>1.654</b>	15.75 <b>0.620</b>
* 36	66.3 <b>2.610</b>	68.0 <b>2.677</b>	27.0 <b>1.063</b>	27.0 <b>1.063</b>	2 1/16" x 16 UNS	42.0 <b>1.654</b>	15.75 <b>0.620</b>
40	72.1 <b>2.838</b>	74.0 <b>2.913</b>	27.0 <b>1.063</b>	27.0 <b>1.063</b>	2 5/16" x 16 UN	42.0 <b>1.654</b>	15.75 <b>0.620</b>

\* Consult factory for connector shell to accommodate 2" x 18 UNS mating thread - see pages 32 & 36.



# ABBMS

Plug Rubberised Coupling Nut -  
 Styles: ABBCIRP06RT



**Metric Imperial**

Shell size	B	C	E max	$\varnothing F$ Thread dia. Class 2A	H max	$O_m$ min overlap mated
* 10 SL	33.5 1.319	28.5 1.122	19.4 0.764	5/8" x 24 UNEF	29.55 1.163	13.1 0.516
* 14 S	40.2 1.583	35.2 1.386	19.4 0.764	3/4" x 20 UNEF	29.55 1.163	13.1 0.516
* 16 S	43.88 1.726	38.9 1.531	19.4 0.764	7/8" x 20 UNEF	29.55 1.163	13.1 0.516
* 16	43.88 1.726	38.9 1.531	27.1 1.067	7/8" x 20 UNEF	37.07 1.459	17.85 0.703
* 18	49.0 1.929	43.5 1.713	27.1 1.067	1" x 20 UNEF	37.07 1.459	17.85 0.703
20	51.5 2.026	46.0 1.811	27.1 1.067	1 1/8" x 18 UNEF	37.07 1.459	17.85 0.703
22	56.0 2.205	50.5 1.988	27.1 1.067	1 1/4" x 18 UNEF	37.07 1.459	17.85 0.703
* 24	60.0 2.362	54.0 2.126	27.1 1.067	1 3/8" x 18 UNEF	37.07 1.459	17.75 0.699
* 28	67.0 2.638	61.0 2.402	27.1 1.067	1 5/8" x 18 UNEF	37.07 1.459	17.75 0.699
* 32	76.0 2.992	67.6 2.661	27.1 1.067	1 7/8" x 16 UN	37.07 1.459	17.75 0.699
* 36	82.3 3.240	74.3 2.925	27.1 1.067	2 1/16" x 16 UNS	37.07 1.459	17.75 0.699
40	88.0 3.465	80.0 3.150	27.1 1.067	2 5/16" x 16 UN	37.07 1.459	17.75 0.699

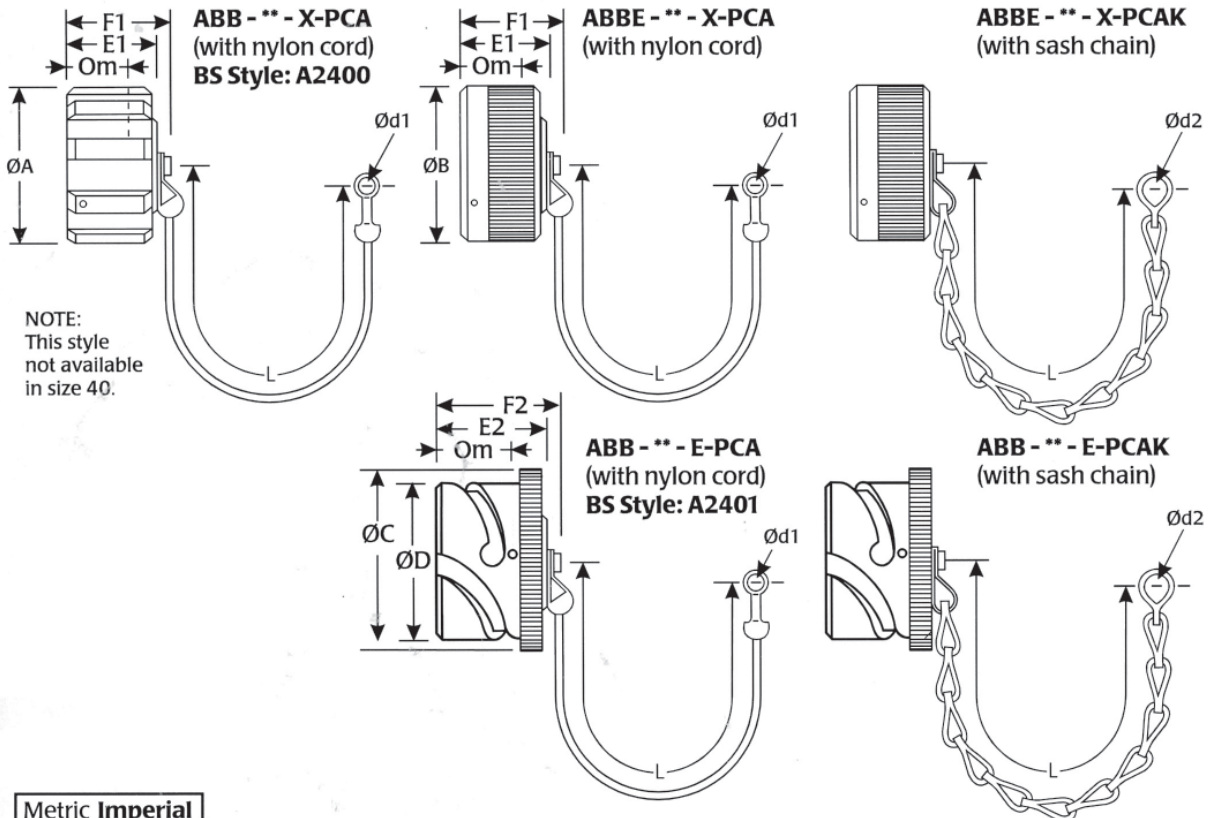
\* Consult factory for availability.

# ABBMS

Protective Caps -

Styles: ABB- -XPCA/ABBE- -XPCA/K/ABB- -EPCA/K

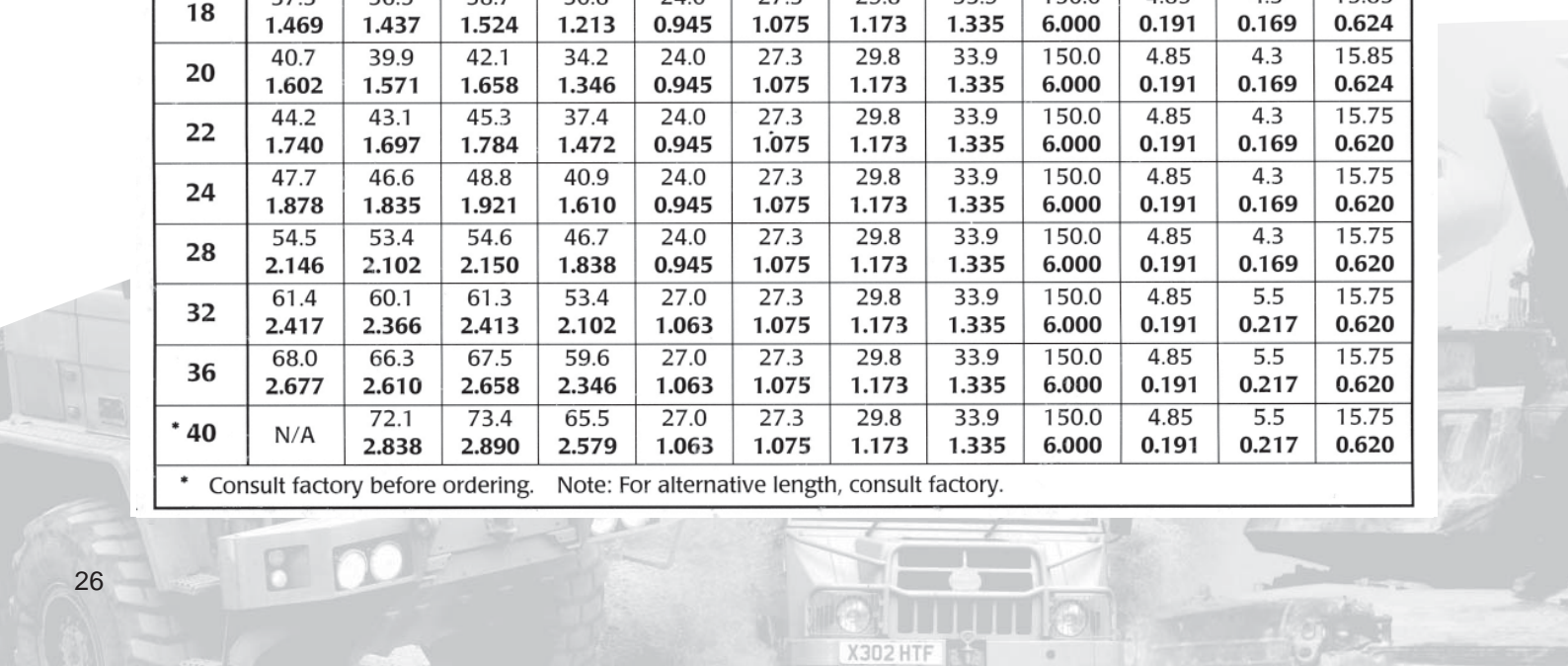
BS Styles: A2400/2401



**Metric Imperial**

Shell *size	ØA max	ØB max	ØC max	ØD max	E1 max	E2 max	F1 max	F2 max	L approx see note	Ød1 min	Ød1 +0.5-0 +0.02-0	Om min overlap mated
10 SL	24.2 0.953	22.8 0.898	26.1 1.028	18.2 0.717	17.5 0.689	21.6 0.850	24.6 0.969	28.4 1.118	100.0 4.000	4.85 0.191	4.3 0.169	11.1 0.437
14 S	30.6 1.205	29.2 1.150	32.5 1.280	24.6 0.969	17.5 0.689	21.6 0.850	24.6 0.969	28.4 1.118	100.0 4.000	4.85 0.191	4.3 0.169	11.1 0.437
16 S	33.4 1.315	32.4 1.276	35.3 1.390	27.4 1.079	17.5 0.689	21.6 0.850	24.6 0.969	28.4 1.118	100.0 4.000	4.85 0.191	4.3 0.169	11.1 0.437
16	33.4 1.315	32.4 1.276	35.3 1.390	27.4 1.079	24.0 0.945	27.3 1.075	24.6 0.969	28.4 1.118	100.0 4.000	4.85 0.191	4.3 0.169	15.85 0.624
18	37.3 1.469	36.5 1.437	38.7 1.524	30.8 1.213	24.0 0.945	27.3 1.075	29.8 1.173	33.9 1.335	150.0 6.000	4.85 0.191	4.3 0.169	15.85 0.624
20	40.7 1.602	39.9 1.571	42.1 1.658	34.2 1.346	24.0 0.945	27.3 1.075	29.8 1.173	33.9 1.335	150.0 6.000	4.85 0.191	4.3 0.169	15.85 0.624
22	44.2 1.740	43.1 1.697	45.3 1.784	37.4 1.472	24.0 0.945	27.3 1.075	29.8 1.173	33.9 1.335	150.0 6.000	4.85 0.191	4.3 0.169	15.75 0.620
24	47.7 1.878	46.6 1.835	48.8 1.921	40.9 1.610	24.0 0.945	27.3 1.075	29.8 1.173	33.9 1.335	150.0 6.000	4.85 0.191	4.3 0.169	15.75 0.620
28	54.5 2.146	53.4 2.102	54.6 2.150	46.7 1.838	24.0 0.945	27.3 1.075	29.8 1.173	33.9 1.335	150.0 6.000	4.85 0.191	4.3 0.169	15.75 0.620
32	61.4 2.417	60.1 2.366	61.3 2.413	53.4 2.102	27.0 1.063	27.3 1.075	29.8 1.173	33.9 1.335	150.0 6.000	4.85 0.191	5.5 0.217	15.75 0.620
36	68.0 2.677	66.3 2.610	67.5 2.658	59.6 2.346	27.0 1.063	27.3 1.075	29.8 1.173	33.9 1.335	150.0 6.000	4.85 0.191	5.5 0.217	15.75 0.620
* 40	N/A	72.1 2.838	73.4 2.890	65.5 2.579	27.0 1.063	27.3 1.075	29.8 1.173	33.9 1.335	150.0 6.000	4.85 0.191	5.5 0.217	15.75 0.620

\* Consult factory before ordering. Note: For alternative length, consult factory.

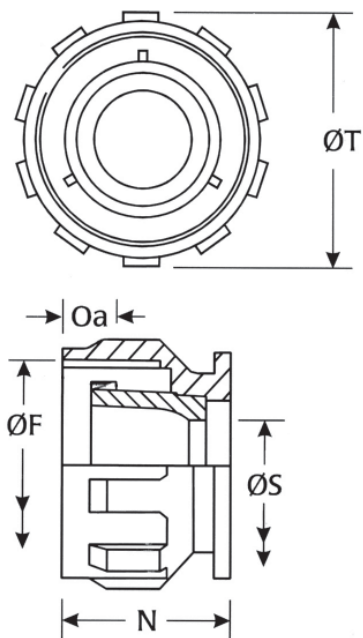


## ABBMS

Grommet Nut - Accessory Type 'EV'

Style: ABB-\*\*-\*\*-EV

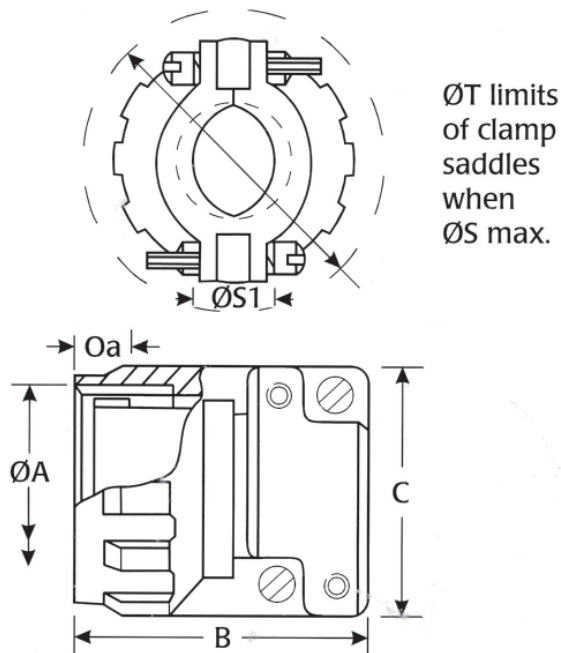
BS Style: A2344



## ABBMS

Cable Clamp Assembly - Accessory Type E/C (5MS locking)

Style: SB-\*\*-\*\*-CCA. BS Style: A2345



Metric Imperial

How to order: **ABB-\*\*-\*\*-EV**

Shell size \_\_\_\_\_

Contact arrangement \_\_\_\_\_

Typical Example: **ABB-10SL-3-EV**

(includes grommet & follower)

How to order: **SB-\*\*-\*\*-CCA**

Shell size \_\_\_\_\_

Contact arrangement \_\_\_\_\_

Typical Example: **SB-10SL-3-CCA**

(includes grommet & follower)

Shell size	ØT max	ØF Thread Class 2B	N max	ØS min	Oa min overlap accessy
10 SL	21.6 0.850	5/8" x 24 UNEF	20.83 0.820	8.6 0.339	6.1 0.240
14 S	24.8 0.976	3/4" x 20 UNEF	20.83 0.820	11.1 0.437	6.1 0.240
16 S	28.7 1.130	7/8" x 20 UNEF	20.83 0.820	14.3 0.563	6.1 0.240
16	28.7 1.130	7/8" x 20 UNEF	25.53 1.005	14.3 0.563	7.6 0.300
18	31.9 1.256	1" x 20 UNEF	25.53 1.005	16.7 0.657	7.6 0.300
20	34.9 1.374	1 1/8" x 18 UNEF	25.53 1.005	19.8 0.780	7.6 0.300
22	38.2 1.504	1 1/4" x 18 UNEF	25.53 1.005	21.34 0.840	7.6 0.300
24	41.4 1.630	1 3/8" x 18 UNEF	25.53 1.005	25.4 1.000	7.6 0.300
28	47.8 1.882	1 5/8" x 18 UNEF	25.53 1.005	30.13 1.186	7.6 0.300
32	54.1 2.130	1 7/8" x 16 UN	25.53 1.005	36.73 1.446	7.6 0.300
36	58.7 2.311	2 1/16" x 16 UNS	25.53 1.005	41.0 1.614	7.6 0.300
40	63.0 2.480	2 5/16" x 16 UN	25.64 1.009	45.9 1.807	7.6 0.300

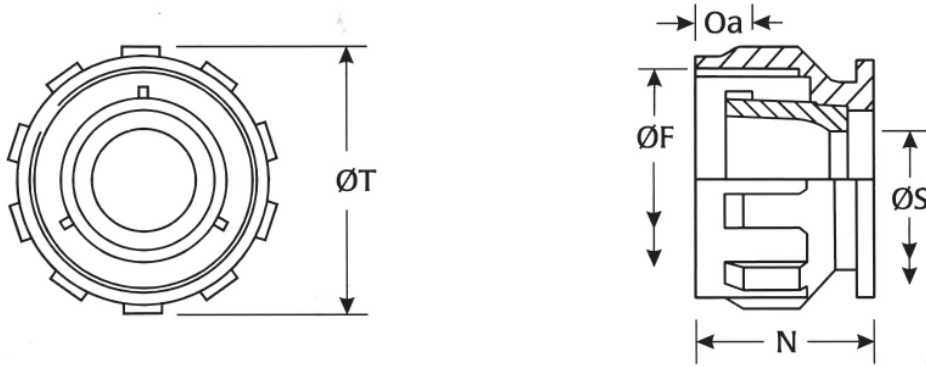
Shell size	ØA Thread Class 2B	B max	C max	ØS1 min	ØS1 max	ØT max	Oa min overlap accessy
10 SL	5/8" x 24 UNEF	33.02 1.300	21.47 0.845	5.08 0.200	7.92 0.312	24.61 0.969	6.1 0.240
14 S	3/4" x 20 UNEF	33.02 1.300	24.64 0.970	7.92 0.312	11.10 0.437	29.36 1.156	6.1 0.240
16 S	7/8" x 20 UNEF	33.02 1.300	28.71 1.130	9.14 0.360	14.27 0.562	31.75 1.250	6.1 0.240
16	7/8" x 20 UNEF	45.72 1.800	28.71 1.130	9.14 0.360	14.27 0.562	31.75 1.250	7.6 0.300
18	1" x 20 UNEF	45.72 1.800	31.88 1.255	10.72 0.422	15.87 0.625	34.14 1.344	7.6 0.300
20	1 1/8" x 18 UNEF	45.72 1.800	35.06 1.380	13.48 0.531	20.62 0.812	37.13 1.462	7.6 0.300
22	1 1/4" x 18 UNEF	45.72 1.800	38.23 1.505	13.48 0.531	20.62 0.812	40.49 1.549	7.6 0.300
24	1 3/8" x 18 UNEF	45.72 1.800	41.41 1.630	15.08 0.594	23.80 0.937	43.66 1.719	7.6 0.300
28	1 5/8" x 18 UNEF	45.72 1.800	47.76 1.880	15.08 0.594	23.80 0.937	50.01 1.969	7.6 0.300
32	1 7/8" x 16 UN	45.72 1.800	54.11 2.130	20.06 0.790	31.75 1.250	56.36 2.219	7.6 0.300
36	2 1/16" x 16 UNS	45.72 1.800	58.75 2.313	20.06 0.790	34.92 1.375	62.71 2.469	7.6 0.300

# ABBMS

Grommet Nut - Accessory Type 'E'

Styles: ABB-\*\*-\*\*-E

BS Style: A2344



**Metric Imperial**

How to order: **ABB - \*\* - \*\* - E**  
 Shell size ————  
 Contact arrangement ————  
 Typical Example: **ABB - 10SL - 3 - E**  
 (includes grommet & follower)

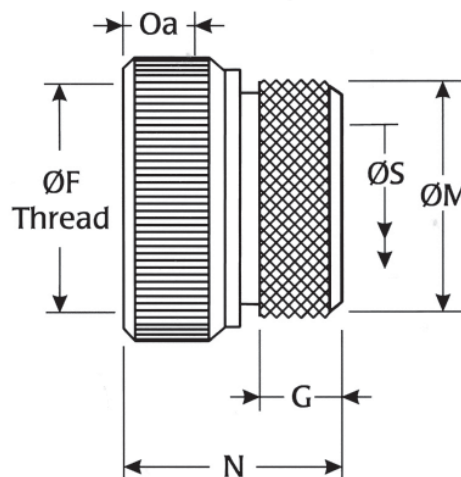
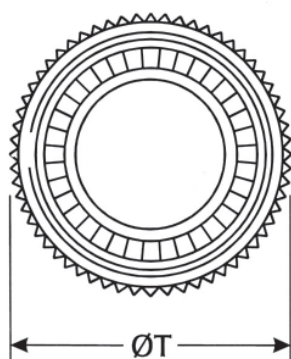
Shell size	ØT max	ØF Thread Class2B	N max	ØS min	O <sub>a</sub> min overlap accessory
<b>10 SL</b>	21.6 <b>0.850</b>	5/8" x 24 UNEF	20.83 <b>0.820</b>	7.62 <b>0.300</b>	6.1 <b>0.240</b>
<b>14 S</b>	24.8 <b>0.976</b>	3/4" x 20 UNEF	20.83 <b>0.820</b>	10.21 <b>0.402</b>	6.1 <b>0.240</b>
<b>16 S</b>	28.7 <b>1.130</b>	7/8" x 20 UNEF	20.83 <b>0.820</b>	12.85 <b>0.506</b>	6.1 <b>0.240</b>
<b>16</b>	28.7 <b>1.130</b>	7/8" x 20 UNEF	25.53 <b>1.005</b>	12.85 <b>0.506</b>	7.6 <b>0.300</b>
<b>18</b>	31.9 <b>1.256</b>	1" x 20 UNEF	25.53 <b>1.005</b>	14.99 <b>0.590</b>	7.6 <b>0.300</b>
<b>20</b>	34.9 <b>1.374</b>	1 1/8" x 18 UNEF	25.53 <b>1.005</b>	17.93 <b>0.706</b>	7.6 <b>0.300</b>
<b>22</b>	38.2 <b>1.504</b>	1 1/4" x 18 UNEF	25.53 <b>1.005</b>	21.46 <b>0.845</b>	7.6 <b>0.300</b>
<b>24</b>	41.4 <b>1.630</b>	1 3/8" x 18 UNEF	25.53 <b>1.005</b>	24.77 <b>0.975</b>	7.6 <b>0.300</b>
<b>28</b>	47.8 <b>1.882</b>	1 5/8" x 18 UNEF	25.53 <b>1.005</b>	30.23 <b>1.190</b>	7.6 <b>0.300</b>
<b>32</b>	54.1 <b>2.130</b>	1 7/8" x 16 UN	25.53 <b>1.005</b>	36.32 <b>1.430</b>	7.6 <b>0.300</b>
<b>36</b>	58.7 <b>2.311</b>	2 1/16" x 16 UNS	25.53 <b>1.005</b>	40.51 <b>1.595</b>	7.6 <b>0.300</b>

# ABBMS

Heatshrink Adaptor - Accessory Type G

Style: ABB-\*\*-\*\*-HSA

BS Style: A2525



**Metric Imperial**

How to order: **ABB - \*\* - \*\* - HSA**

Shell size \_\_\_\_\_

Contact arrangement \_\_\_\_\_

Typical Example: **ABB - 10SL - 3 - HSA**

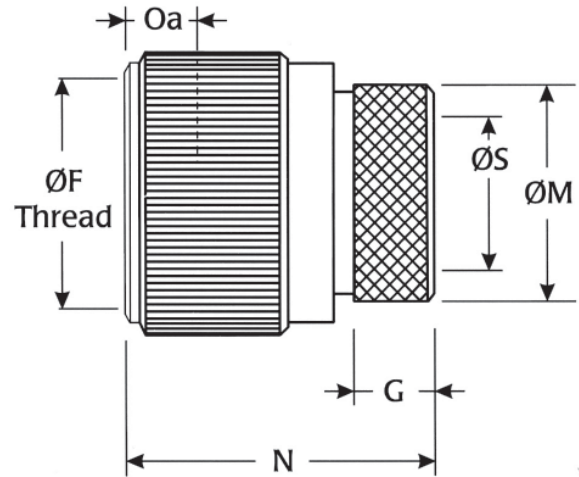
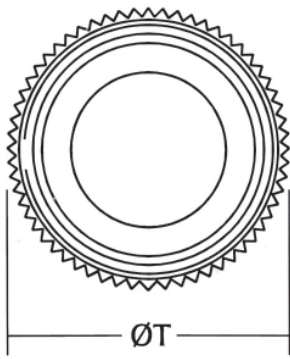
(includes grommet)

Shell size	ØF Thread dia. Class2B	ØM max	N max	G max	ØS min	ØT max	O <sub>a</sub> min overlap accessories
<b>10 SL</b>	5/8" x 24 UNEF	15.7 <b>0.618</b>	27.6 <b>1.087</b>	8.2 <b>0.323</b>	7.7 <b>0.303</b>	22.0 <b>0.87</b>	7.0 <b>0.276</b>
<b>14 S</b>	3/4" x 20 UNEF	19.3 <b>0.760</b>	27.6 <b>1.087</b>	8.2 <b>0.323</b>	10.6 <b>0.417</b>	25.0 <b>0.99</b>	7.0 <b>0.276</b>
<b>16 S</b>	7/8" x 20 UNEF	24.1 <b>0.949</b>	27.6 <b>1.087</b>	8.2 <b>0.323</b>	13.5 <b>0.532</b>	28.0 <b>1.11</b>	7.0 <b>0.276</b>
<b>16</b>	7/8" x 20 UNEF	24.1 <b>0.949</b>	27.6 <b>1.087</b>	8.0 <b>0.315</b>	13.5 <b>0.532</b>	28.0 <b>1.11</b>	7.0 <b>0.276</b>
<b>18</b>	1" x 20 UNEF	24.1 <b>0.949</b>	29.6 <b>1.165</b>	8.0 <b>0.315</b>	14.6 <b>0.575</b>	31.0 <b>1.22</b>	7.0 <b>0.276</b>
<b>20</b>	1 1/8" x 18 UNEF	29.8 <b>1.173</b>	30.6 <b>1.205</b>	9.2 <b>0.362</b>	18.7 <b>0.736</b>	35.0 <b>1.38</b>	7.0 <b>0.276</b>
<b>22</b>	1 1/4" x 18 UNEF	29.8 <b>1.173</b>	33.4 <b>1.315</b>	9.2 <b>0.362</b>	20.8 <b>0.819</b>	38.0 <b>1.50</b>	7.0 <b>0.276</b>
<b>24</b>	1 3/8" x 18 UNEF	38.0 <b>1.496</b>	30.6 <b>1.205</b>	9.2 <b>0.362</b>	24.6 <b>0.969</b>	41.0 <b>1.62</b>	7.0 <b>0.276</b>
<b>28</b>	1 5/8" x 18 UNEF	38.0 <b>1.496</b>	33.4 <b>1.315</b>	9.2 <b>0.362</b>	27.0 <b>1.063</b>	48.0 <b>1.89</b>	7.0 <b>0.276</b>
<b>32</b>	1 7/8" x 16 UN	48.0 <b>1.890</b>	32.1 <b>1.264</b>	11.7 <b>0.461</b>	33.3 <b>1.311</b>	54.0 <b>2.13</b>	7.0 <b>0.276</b>
<b>36</b>	2 1/16" x 16 UNS	48.0 <b>1.890</b>	37.4 <b>1.472</b>	11.7 <b>0.461</b>	38.5 <b>1.516</b>	61.0 <b>2.40</b>	7.0 <b>0.276</b>
<b>40</b>	2 5/16" x 16 UN	57.95 <b>2.281</b>	38.64 <b>1.521</b>	12.1 <b>0.476</b>	48.1 <b>1.894</b>	67.0 <b>2.638</b>	7.0 <b>0.276</b>

# ABBMS

Solid Heatshrink Adaptor - Accessory Type GS

Style: ABB-\*\*-\*\*-HSAS



**Metric Imperial**

How to order: **ABB - \*\* - \*\* - HSAS**

Shell size ————

Contact arrangement ————

Typical Example: **ABB - 10SL - 3 - HSAS**

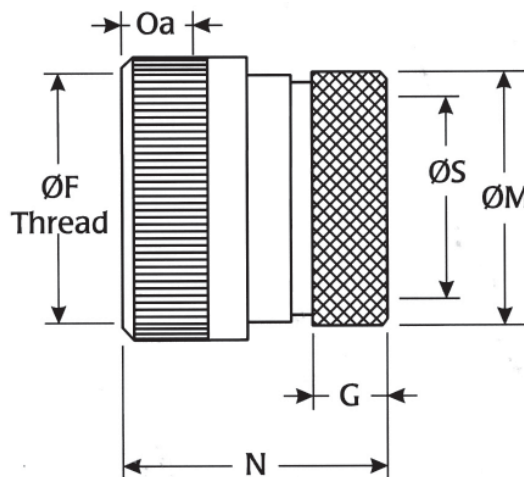
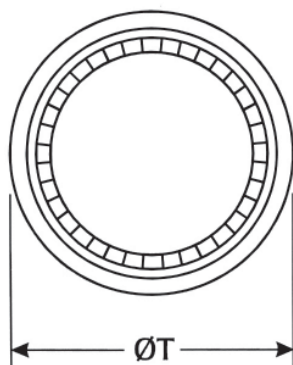
(includes grommet)

Shell size	ØF Thread dia. Class2B	ØM max	G max	N max	ØS min	ØT max	O <sub>a</sub> min overlap accessory
* 10 SL	-	-	-	-	-	-	-
* 14 S	-	-	-	-	-	-	-
* 16 S	-	-	-	-	-	-	-
* 16	-	-	-	-	-	-	-
18	1" x 20 UNEF	24.1 <b>0.949</b>	11.9 <b>0.469</b>	45.3 <b>1.783</b>	14.7 <b>0.579</b>	28.6 <b>1.126</b>	7.34 <b>0.289</b>
20	1 1/8" x 18 UNEF	29.8 <b>1.173</b>	11.9 <b>0.469</b>	51.1 <b>2.012</b>	18.7 <b>0.736</b>	31.85 <b>1.254</b>	7.34 <b>0.289</b>
22	1 1/4" x 18 UNEF	29.8 <b>1.173</b>	11.9 <b>0.469</b>	51.1 <b>2.012</b>	20.9 <b>0.823</b>	35.03 <b>1.379</b>	7.14 <b>0.281</b>
24	1 3/8" x 18 UNEF	38.0 <b>1.496</b>	11.9 <b>0.469</b>	51.1 <b>2.012</b>	24.7 <b>0.972</b>	39.1 <b>1.539</b>	7.14 <b>0.281</b>
28	1 5/8" x 18 UNEF	38.0 <b>1.496</b>	11.9 <b>0.469</b>	51.1 <b>2.012</b>	27.1 <b>1.067</b>	45.6 <b>1.795</b>	6.34 <b>0.250</b>
32	1 7/8" x 16 UN	48.0 <b>1.890</b>	11.9 <b>0.469</b>	51.1 <b>2.012</b>	33.4 <b>1.315</b>	50.8 <b>2.000</b>	7.4 <b>0.291</b>
36	2 1/16" x 16 UNS	48.0 <b>1.890</b>	11.9 <b>0.469</b>	51.1 <b>2.012</b>	38.6 <b>1.520</b>	57.45 <b>2.262</b>	7.4 <b>0.291</b>
40	2 5/16" x 16 UN	57.95 <b>2.281</b>	11.9 <b>0.469</b>	51.1 <b>2.012</b>	48.1 <b>1.894</b>	63.1 <b>2.484</b>	7.4 <b>0.291</b>

\* Please consult factory for availability.

# ABBMS

RFI Shielded Adaptor - Accessory Type GM  
 Style: ABB-\*\*-\*\*-LHSA



**Metric Imperial**

How to order: **ABB - \*\* - \*\* - LHSA**  
 Shell size ————  
 Contact arrangement ————  
 Typical Example: **ABB - 18 - 12 - LHSA**  
 (includes grommet)

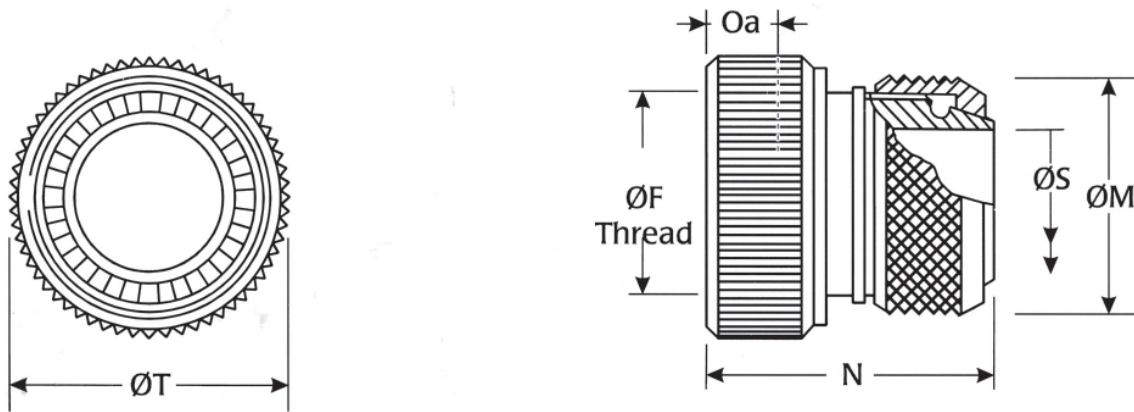
Shell size	ØF Thread dia. Class2B	ØM max	G max	N max	ØS min	ØT max	O <sub>a</sub> min overlap
<b>10 SL</b>	5/8" x 24 UNEF	15.7 <b>0.618</b>	12.4 <b>0.488</b>	31.64 <b>1.246</b>	8.6 <b>0.339</b>	22.0 <b>0.87</b>	7.0 <b>0.276</b>
<b>14 S</b>	3/4" x 20 UNEF	19.3 <b>0.760</b>	12.4 <b>0.488</b>	31.64 <b>1.246</b>	11.1 <b>0.437</b>	25.0 <b>0.984</b>	7.0 <b>0.276</b>
<b>16 S</b>	7/8" x 20 UNEF	24.1 <b>0.949</b>	12.4 <b>0.488</b>	31.64 <b>1.246</b>	14.3 <b>0.563</b>	28.0 <b>1.102</b>	7.0 <b>0.276</b>
<b>16</b>	7/8" x 20 UNEF	24.1 <b>0.949</b>	12.4 <b>0.488</b>	35.44 <b>1.395</b>	14.3 <b>0.563</b>	28.0 <b>1.102</b>	7.0 <b>0.276</b>
<b>18</b>	1" x 20 UNEF	24.1 <b>0.949</b>	12.4 <b>0.488</b>	35.44 <b>1.395</b>	16.7 <b>0.657</b>	31.0 <b>1.220</b>	7.0 <b>0.276</b>
<b>20</b>	1 1/8" x 18 UNEF	29.8 <b>1.173</b>	12.4 <b>0.488</b>	38.93 <b>1.533</b>	19.8 <b>0.780</b>	35.0 <b>1.378</b>	7.0 <b>0.276</b>
<b>22</b>	1 1/4" x 18 UNEF	29.8 <b>1.173</b>	12.4 <b>0.488</b>	38.93 <b>1.533</b>	21.34 <b>0.840</b>	38.0 <b>1.496</b>	7.0 <b>0.276</b>
<b>24</b>	1 3/8" x 18 UNEF	38.0 <b>1.496</b>	12.4 <b>0.488</b>	38.93 <b>1.533</b>	25.4 <b>1.000</b>	41.0 <b>1.614</b>	7.0 <b>0.276</b>
<b>28</b>	1 5/8" x 18 UNEF	38.0 <b>1.496</b>	12.4 <b>0.488</b>	37.94 <b>1.494</b>	30.13 <b>1.186</b>	48.0 <b>1.890</b>	7.0 <b>0.276</b>
<b>32</b>	1 7/8" x 16 UN	48.0 <b>1.890</b>	12.1 <b>0.476</b>	37.64 <b>1.482</b>	36.73 <b>1.446</b>	54.0 <b>2.126</b>	7.0 <b>0.276</b>
<b>36</b>	2 1/16" x 16 UNS	48.0 <b>1.890</b>	12.1 <b>0.476</b>	38.64 <b>1.521</b>	41.0 <b>1.614</b>	61.0 <b>2.402</b>	7.0 <b>0.276</b>
<b>40</b>	2 5/16" x 16 UN	57.95 <b>2.281</b>	12.1 <b>0.476</b>	38.64 <b>1.521</b>	48.1 <b>1.894</b>	67.0 <b>2.638</b>	7.0 <b>0.276</b>

# ABBMS

Screened Cable Adaptor - Accessory Type M

Style: ABB-\*\*-\*\*-SCA

BS Style: A2526



### Metric Imperial

How to order: **ABB - \*\* - \*\* - SCA**

Shell size ————

Contact arrangement ————

Typical Example: **ABB - 10SL - 3 - SCA**

(includes grommet)

Shell size	ØF Thread dia. Class2B	ØM max	N max	ØS min	ØT max	O <sub>a</sub> min overlap accessories
<b>10 SL</b>	5/8" x 24 UNEF	19.0 <b>0.748</b>	31.3 <b>0.812</b>	8.6 <b>0.339</b>	22.0 <b>0.866</b>	7.0 <b>0.276</b>
<b>14 S</b>	3/4" x 20 UNEF	22.5 <b>0.886</b>	33.9 <b>1.339</b>	10.6 <b>0.417</b>	25.0 <b>0.984</b>	7.0 <b>0.276</b>
<b>16 S</b>	7/8" x 20 UNEF	25.5 <b>1.004</b>	33.9 <b>1.339</b>	13.5 <b>0.532</b>	28.0 <b>1.102</b>	7.0 <b>0.276</b>
<b>16</b>	7/8" x 20 UNEF	25.5 <b>1.004</b>	33.9 <b>1.339</b>	13.5 <b>0.532</b>	28.0 <b>1.102</b>	7.0 <b>0.276</b>
<b>18</b>	1" x 20 UNEF	25.5 <b>1.122</b>	36.9 <b>1.453</b>	14.6 <b>0.575</b>	31.0 <b>1.220</b>	7.0 <b>0.276</b>
<b>20</b>	1 1/8" x 18 UNEF	32.5 <b>1.280</b>	36.9 <b>1.453</b>	18.5 <b>0.728</b>	35.0 <b>1.378</b>	7.0 <b>0.276</b>
<b>22</b>	1 1/4" x 18 UNEF	34.5 <b>1.358</b>	36.9 <b>1.453</b>	20.8 <b>0.819</b>	38.0 <b>1.496</b>	7.0 <b>0.276</b>
<b>24</b>	1 3/8" x 18 UNEF	38.5 <b>1.516</b>	36.9 <b>1.453</b>	24.6 <b>0.969</b>	41.0 <b>1.614</b>	7.0 <b>0.276</b>
<b>28</b>	1 5/8" x 18 UNEF	41.5 <b>1.634</b>	35.9 <b>1.413</b>	27.0 <b>1.063</b>	48.0 <b>1.890</b>	7.0 <b>0.276</b>
<b>32</b>	1 7/8" x 16 UN	48.5 <b>1.910</b>	35.9 <b>1.413</b>	33.3 <b>1.311</b>	54.0 <b>2.216</b>	7.0 <b>0.276</b>
<b>36</b>	2 1/16" x 16 UNS	55.5 <b>2.185</b>	35.9 <b>1.413</b>	38.5 <b>1.516</b>	61.0 <b>2.402</b>	7.0 <b>0.276</b>
<b>40</b>	2 5/16" x 16 UN	62.5 <b>2.461</b>	35.9 <b>1.413</b>	45.0 <b>1.772</b>	67.0 <b>2.638</b>	7.0 <b>0.276</b>

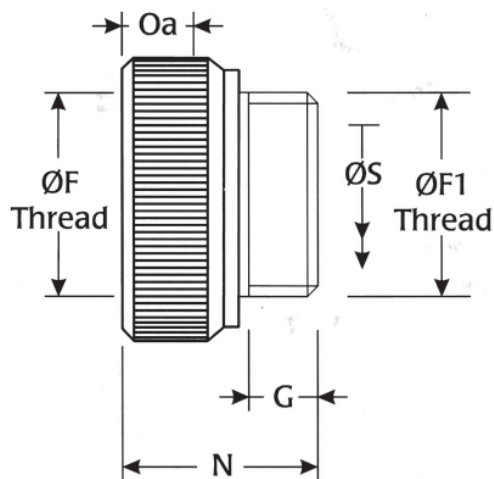
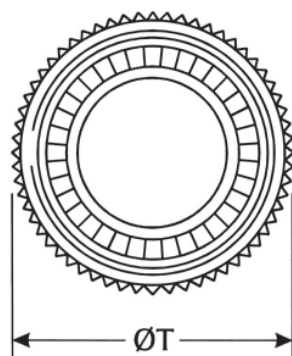


# ABBMS

Armoured Cable Adaptor - Accessory Type H

Style: ABB-\*\*-\*\*-ACA

BS Style: A2524



**Metric Imperial**

How to order: **ABB - \*\* - \*\* - ACA**

Shell size ————|

Contact arrangement ————|

Typical Example: **ABB - 10SL - 3 - ACA**

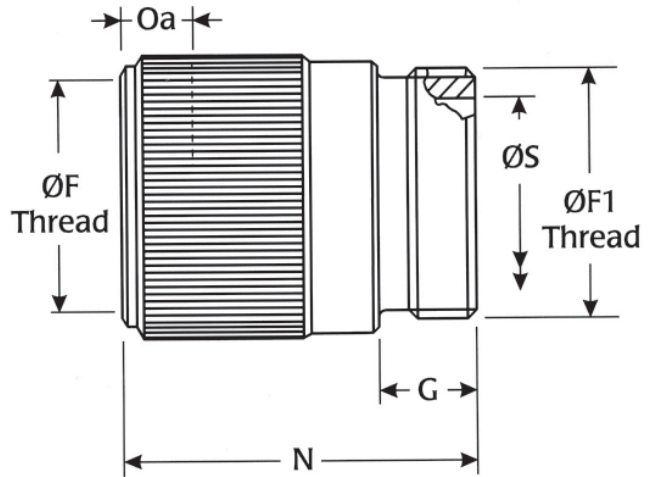
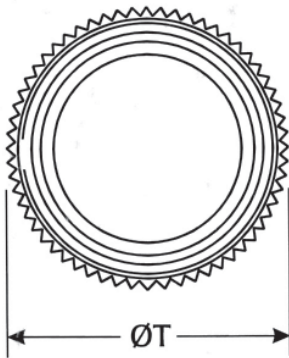
(includes grommet)

Shell size	ØF Thread dia Class2B	ØF1 Thread dia Class2A	G min	N max	ØS min	ØT max	O <sub>a</sub> min overlap accessories
<b>10 SL</b>	5/8" x 24 UNEF	5/8" x 24 UNEF	9.5 <b>0.374</b>	27.9 <b>1.098</b>	8.2 <b>0.323</b>	22.0 <b>0.87</b>	7.0 <b>0.276</b>
<b>14 S</b>	3/4" x 20 UNEF	3/4" x 20 UNEF	9.5 <b>0.374</b>	27.9 <b>1.098</b>	11.1 <b>0.437</b>	25.0 <b>0.984</b>	7.0 <b>0.276</b>
<b>16 S</b>	7/8" x 20 UNEF	7/8" x 20 UNEF	9.5 <b>0.374</b>	27.9 <b>1.098</b>	14.3 <b>0.563</b>	28.0 <b>1.11</b>	7.0 <b>0.276</b>
<b>16</b>	7/8" x 20 UNEF	7/8" x 20 UNEF	9.5 <b>0.374</b>	27.9 <b>1.098</b>	14.3 <b>0.563</b>	28.0 <b>1.11</b>	7.0 <b>0.276</b>
<b>18</b>	1" x 20 UNEF	1" x 20 UNEF	9.5 <b>0.374</b>	29.9 <b>1.177</b>	16.7 <b>0.657</b>	31.0 <b>1.22</b>	7.0 <b>0.276</b>
<b>20</b>	1 1/8" x 18 UNEF	1 3/16" x 18 NEF	9.5 <b>0.374</b>	29.9 <b>1.177</b>	19.8 <b>0.780</b>	35.0 <b>1.38</b>	7.0 <b>0.276</b>
<b>22</b>	1 1/4" x 18 UNEF	1 3/16" x 18 NEF	9.5 <b>0.374</b>	29.9 <b>1.177</b>	19.8 <b>0.780</b>	38.0 <b>1.50</b>	7.0 <b>0.276</b>
<b>24</b>	1 3/8" x 18 UNEF	1 7/16" x 18 NEF	9.5 <b>0.374</b>	29.9 <b>1.177</b>	25.4 <b>1.000</b>	41.0 <b>1.62</b>	7.0 <b>0.276</b>
<b>28</b>	1 5/8" x 18 UNEF	1 7/16" x 18 NEF	9.5 <b>0.374</b>	30.0 <b>1.181</b>	27.0 <b>1.063</b>	48.0 <b>1.89</b>	7.0 <b>0.276</b>
<b>32</b>	1 7/8" x 16 UN	1 3/4" x 18 NS	11.0 <b>0.433</b>	28.9 <b>1.136</b>	32.5 <b>1.280</b>	54.0 <b>2.13</b>	7.0 <b>0.276</b>
<b>36</b>	2 1/16" x 16 UNS	2" x 18 NS	11.8 <b>0.464</b>	28.9 <b>1.136</b>	35.7 <b>1.406</b>	61.0 <b>2.40</b>	7.0 <b>0.276</b>
<b>40</b>	2 5/16" x 16 UN	2 1/4" x 16 UN	11.8 <b>0.464</b>	28.9 <b>1.138</b>	45.0 <b>1.772</b>	67.0 <b>2.638</b>	7.0 <b>0.276</b>

# ABBMS

## Conduit Cable Adaptor - Accessory Type R

Style: ABB-\*\*-\*\*-CCA

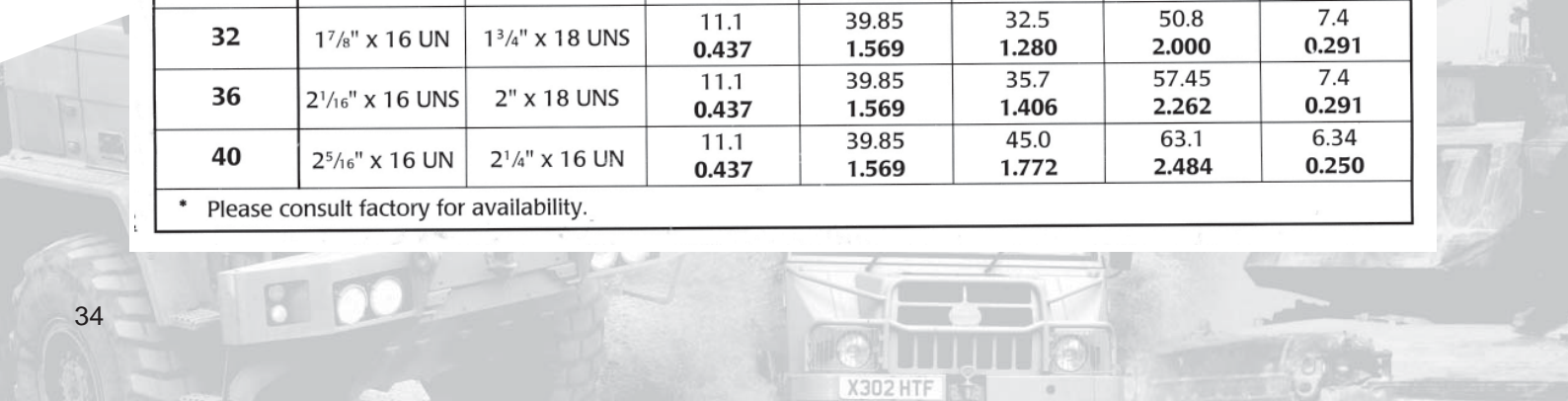


**Metric Imperial**

How to order: **ABB - \*\* - \*\* - CCA**  
 Shell size \_\_\_\_\_  
 Contact arrangement \_\_\_\_\_  
 Typical Example: **ABB - 10SL - 3 - CCA**  
 (includes grommet)

Shell size	ØF Thread dia class2B	ØF1 Thread dia class2A	G max	N max	ØS min	ØT max	O <sub>a</sub> min overlap accessory
* 10 SL	-	-	-	-	-	-	-
* 14 S	-	-	-	-	-	-	-
* 16 S	-	-	-	-	-	-	-
* 16	-	-	-	-	-	-	-
18	1" x 20 UNEF	1" x 20 UNEF	10.1 <b>0.398</b>	37.0 <b>1.457</b>	16.7 <b>0.657</b>	28.6 <b>1.126</b>	7.34 <b>0.289</b>
20	1 1/8" x 18 UNEF	1 3/16" x 18 UNEF	10.1 <b>0.398</b>	37.0 <b>1.457</b>	19.9 <b>0.783</b>	31.85 <b>1.254</b>	7.34 <b>0.289</b>
22	1 1/4" x 18 UNEF	1 3/16" x 18 UNEF	10.1 <b>0.398</b>	37.0 <b>1.457</b>	19.9 <b>0.783</b>	35.03 <b>1.379</b>	7.34 <b>0.289</b>
24	1 3/8" x 18 UNEF	1 7/16" x 18 UNEF	11.1 <b>0.437</b>	39.85 <b>1.569</b>	25.4 <b>1.000</b>	39.1 <b>1.539</b>	7.14 <b>0.281</b>
28	1 5/8" x 18 UNEF	1 7/16" x 18 UNEF	11.1 <b>0.437</b>	39.85 <b>1.569</b>	30.13 <b>1.186</b>	45.6 <b>1.795</b>	6.34 <b>0.250</b>
32	1 7/8" x 16 UN	1 3/4" x 18 UNS	11.1 <b>0.437</b>	39.85 <b>1.569</b>	32.5 <b>1.280</b>	50.8 <b>2.000</b>	7.4 <b>0.291</b>
36	2 1/16" x 16 UNS	2" x 18 UNS	11.1 <b>0.437</b>	39.85 <b>1.569</b>	35.7 <b>1.406</b>	57.45 <b>2.262</b>	7.4 <b>0.291</b>
40	2 5/16" x 16 UN	2 1/4" x 16 UN	11.1 <b>0.437</b>	39.85 <b>1.569</b>	45.0 <b>1.772</b>	63.1 <b>2.484</b>	6.34 <b>0.250</b>

\* Please consult factory for availability.

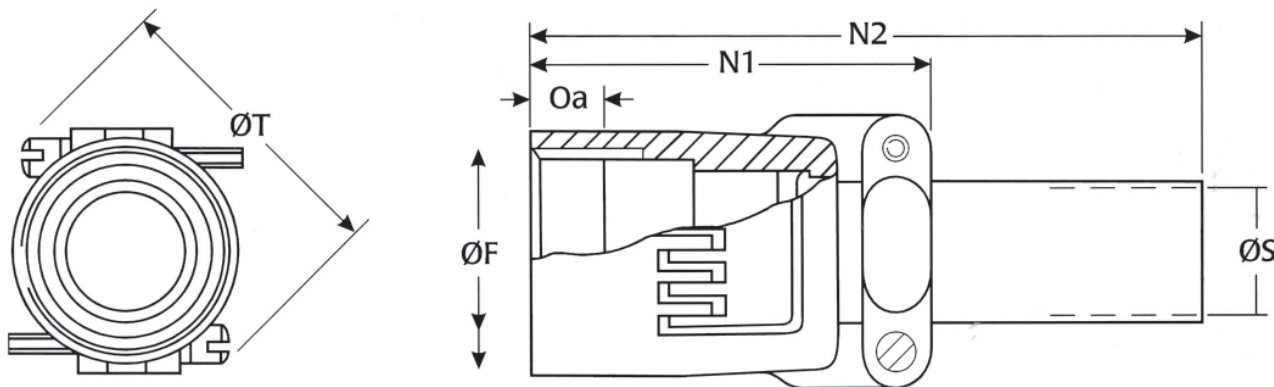


# ABBMS

Multicore Cable Clamp - Accessory Type E/MC

Style: SB-\*\*-\*\*-MCA

BS Style: A2346



**Metric Imperial**

How to order: **SB - \*\* - \*\* - MCA**  
 Shell size \_\_\_\_\_  
 Contact arrangement \_\_\_\_\_  
 Typical Example: **SB - 10SL - 3 - MCA**  
 (includes grommet + nylon follower)

Shell size	N1 max	N2 max	ØF Thread Class 2B	ØS min	ØS max	ØT max	Oa overlap accessories
<b>10 SL</b>	45.34 <b>1.785</b>	95.86 <b>3.774</b>	5/8" x 24 UNEF	3.68 <b>0.145</b>	5.76 <b>0.227</b>	35.15 <b>1.384</b>	6.1 <b>0.240</b>
<b>14 S</b>	45.34 <b>1.785</b>	92.69 <b>3.649</b>	3/4" x 20 UNEF	4.62 <b>0.182</b>	8.1 <b>0.319</b>	39.88 <b>1.570</b>	6.1 <b>0.240</b>
<b>16 S</b>	45.34 <b>1.785</b>	89.64 <b>3.529</b>	7/8" x 20 UNEF	7.82 <b>0.308</b>	11.3 <b>0.444</b>	41.45 <b>1.632</b>	6.1 <b>0.240</b>
<b>16</b>	45.34 <b>1.785</b>	89.64 <b>3.529</b>	7/8" x 20 UNEF	7.82 <b>0.308</b>	11.3 <b>0.444</b>	41.45 <b>1.632</b>	6.1 <b>0.240</b>
<b>18</b>	50.11 <b>1.973</b>	91.11 <b>3.587</b>	1" x 20 UNEF	8.79 <b>0.346</b>	14.45 <b>0.569</b>	45.52 <b>1.792</b>	7.6 <b>0.300</b>
<b>20</b>	50.11 <b>1.973</b>	87.94 <b>3.462</b>	1 1/8" x 18 UNEF	10.54 <b>0.415</b>	16.0 <b>0.632</b>	49.63 <b>1.954</b>	7.6 <b>0.300</b>
<b>22</b>	50.11 <b>1.973</b>	87.94 <b>3.462</b>	1 1/4" x 18 UNEF	10.54 <b>0.415</b>	16.0 <b>0.632</b>	49.63 <b>1.954</b>	7.6 <b>0.300</b>
<b>24</b>	50.11 <b>1.973</b>	84.76 <b>3.337</b>	1 3/8" x 18 UNEF	14.55 <b>0.573</b>	19.23 <b>0.757</b>	56.29 <b>2.216</b>	7.6 <b>0.300</b>
<b>28</b>	59.44 <b>2.340</b>	94.09 <b>3.704</b>	1 5/8" x 18 UNEF	14.15 <b>0.557</b>	19.23 <b>0.757</b>	60.45 <b>2.380</b>	7.6 <b>0.300</b>
<b>32</b>	59.44 <b>2.340</b>	90.91 <b>3.579</b>	1 7/8" x 16 UN	19.18 <b>0.755</b>	23.98 <b>0.944</b>	68.43 <b>2.694</b>	7.6 <b>0.300</b>
<b>* 36</b>	59.44 <b>2.340</b>	87.73 <b>3.454</b>	2" x 18 UNS	24.51 <b>0.965</b>	31.93 <b>1.257</b>	71.68 <b>2.822</b>	7.6 <b>0.300</b>

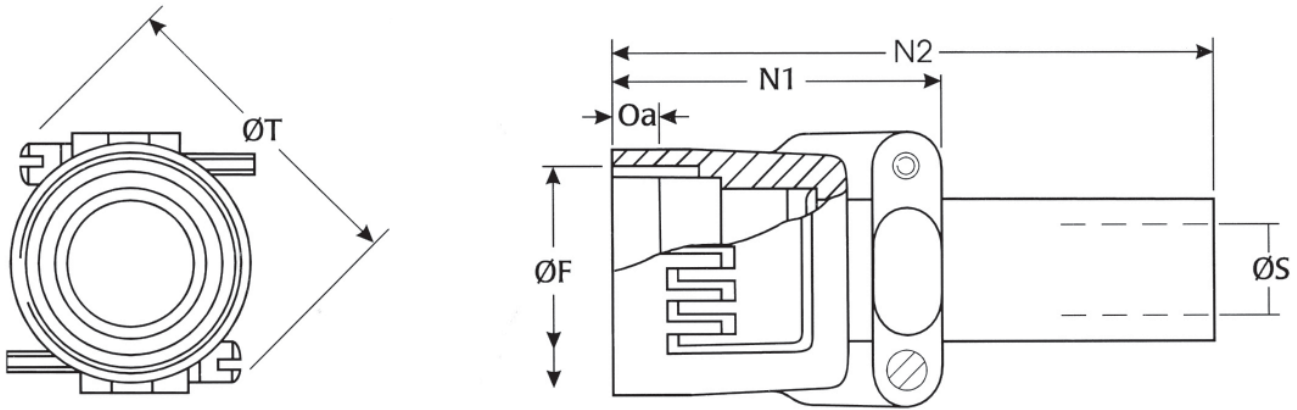
\* Consult factory for connector shell to accommodate 2" x 18 UNS mating thread.

# ABBMS

Cable Clamp - Accessory Type D

Style: ABB-\*\*-\*\*-OCN

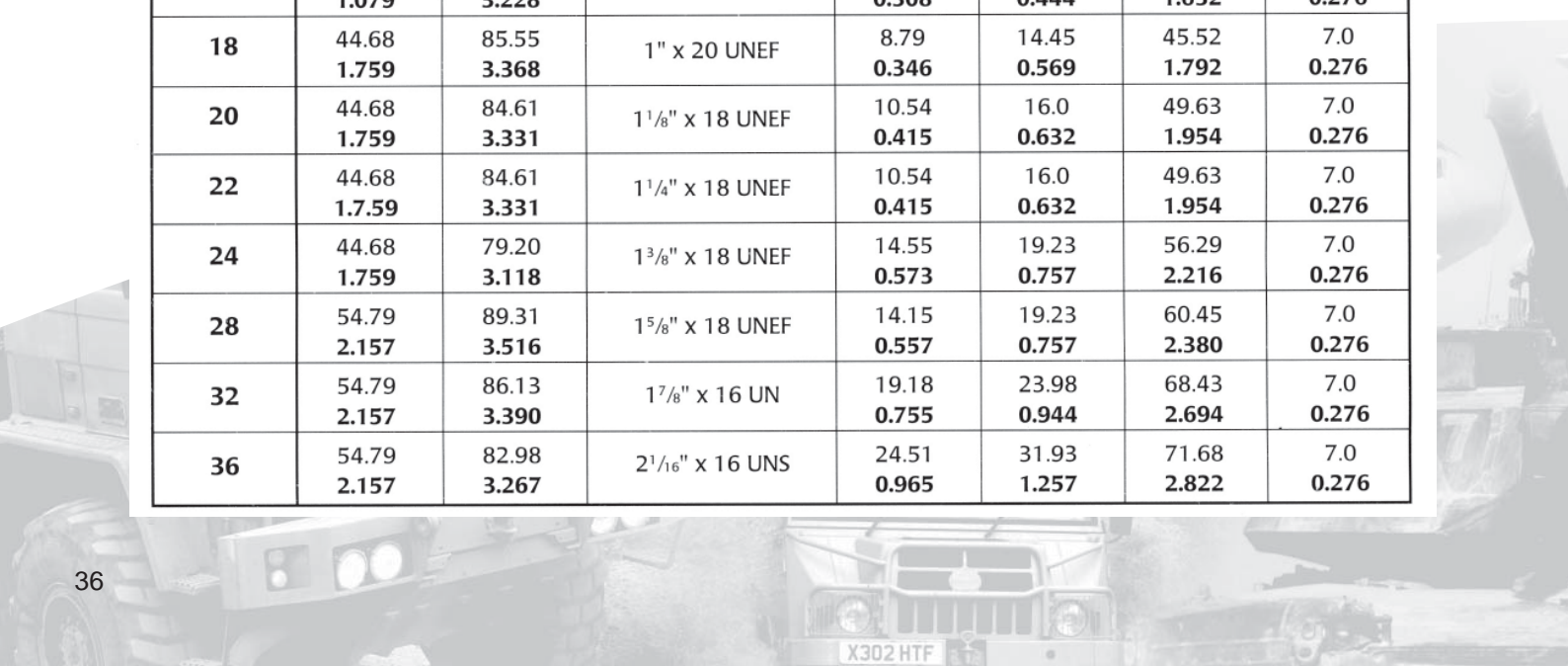
BS Style: A2527



**Metric Imperial**

How to order: **ABB - \*\* - \*\* - OCN**  
 Shell size \_\_\_\_\_  
 Contact arrangement \_\_\_\_\_  
 Typical Example: **ABB - 10SL - 3 - OCN**  
 (includes grommet + nylon follower)

Shell size	N1 max	N2 max	ØF Thread Class 2B	ØS min	ØS max	ØT max	O <sub>a</sub> min overlap accessory
<b>10 SL</b>	36.42 <b>1.434</b>	86.68 <b>3.413</b>	5/8" x 24 UNEF	3.68 <b>0.145</b>	5.76 <b>0.227</b>	35.15 <b>1.384</b>	7.0 <b>0.276</b>
<b>14 S</b>	27.41 <b>1.079</b>	85.04 <b>3.348</b>	3/4" x 20 UNEF	4.62 <b>0.182</b>	8.1 <b>0.319</b>	39.88 <b>1.570</b>	7.0 <b>0.276</b>
<b>16 S</b>	27.41 <b>1.079</b>	81.99 <b>3.228</b>	7/8" x 20 UNEF	7.82 <b>0.308</b>	11.3 <b>0.444</b>	41.45 <b>1.632</b>	7.0 <b>0.276</b>
<b>16</b>	27.41 <b>1.079</b>	81.99 <b>3.228</b>	7/8" x 20 UNEF	7.82 <b>0.308</b>	11.3 <b>0.444</b>	41.45 <b>1.632</b>	7.0 <b>0.276</b>
<b>18</b>	44.68 <b>1.759</b>	85.55 <b>3.368</b>	1" x 20 UNEF	8.79 <b>0.346</b>	14.45 <b>0.569</b>	45.52 <b>1.792</b>	7.0 <b>0.276</b>
<b>20</b>	44.68 <b>1.759</b>	84.61 <b>3.331</b>	1 1/8" x 18 UNEF	10.54 <b>0.415</b>	16.0 <b>0.632</b>	49.63 <b>1.954</b>	7.0 <b>0.276</b>
<b>22</b>	44.68 <b>1.759</b>	84.61 <b>3.331</b>	1 1/4" x 18 UNEF	10.54 <b>0.415</b>	16.0 <b>0.632</b>	49.63 <b>1.954</b>	7.0 <b>0.276</b>
<b>24</b>	44.68 <b>1.759</b>	79.20 <b>3.118</b>	1 3/8" x 18 UNEF	14.55 <b>0.573</b>	19.23 <b>0.757</b>	56.29 <b>2.216</b>	7.0 <b>0.276</b>
<b>28</b>	54.79 <b>2.157</b>	89.31 <b>3.516</b>	1 5/8" x 18 UNEF	14.15 <b>0.557</b>	19.23 <b>0.757</b>	60.45 <b>2.380</b>	7.0 <b>0.276</b>
<b>32</b>	54.79 <b>2.157</b>	86.13 <b>3.390</b>	1 7/8" x 16 UN	19.18 <b>0.755</b>	23.98 <b>0.944</b>	68.43 <b>2.694</b>	7.0 <b>0.276</b>
<b>36</b>	54.79 <b>2.157</b>	82.98 <b>3.267</b>	2 1/16" x 16 UNS	24.51 <b>0.965</b>	31.93 <b>1.257</b>	71.68 <b>2.822</b>	7.0 <b>0.276</b>

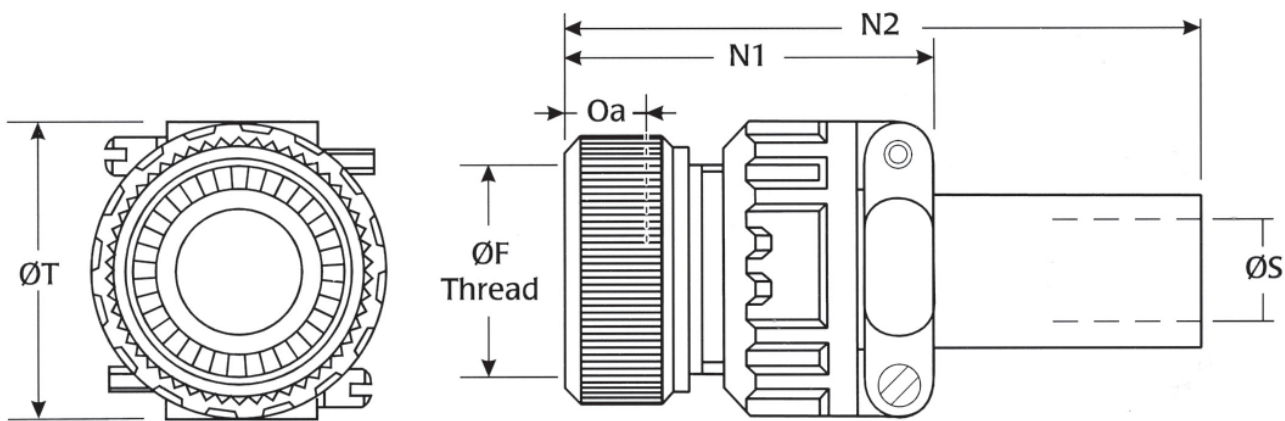


# ABBMS

Cable Clamp (locking) - Accessory Type H/C

Style: ABB-\*\*-\*\*-HC

BS Style: A2760



Clamp available separately  
**AB Style: CMS 3057A - \*\*.**  
**BS Style A2521**

**Metric Imperial**

How to order: **ABB - \*\* - \*\* - HC**  
 Shell size \_\_\_\_\_  
 Contact arrangement \_\_\_\_\_  
 Typical Example: **ABB - 10SL - 3 - HC**  
 (includes grommet)

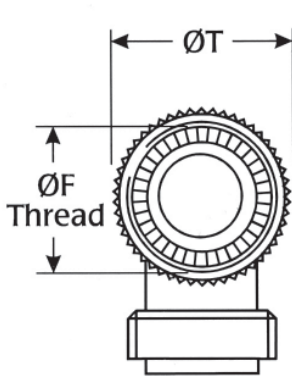
Shell size	ØF Thread dia. Class2B	N1 max	N2 max	O <sub>a</sub> min overlap accessories	ØS max	T max
<b>10 SL</b>	5/8" x 24 UNEF	40.1 <b>1.58</b>	100.1 <b>3.94</b>	7.0 <b>0.276</b>	5.76 <b>0.227</b>	22.7 <b>0.90</b>
<b>14 S</b>	3/4" x 20 UNEF	41.7 <b>1.65</b>	96.7 <b>3.81</b>	7.0 <b>0.276</b>	8.1 <b>0.319</b>	27.5 <b>1.09</b>
<b>16 S</b>	7/8" x 20 UNEF	43.5 <b>1.72</b>	98.5 <b>3.88</b>	7.0 <b>0.276</b>	11.3 <b>0.444</b>	30.0 <b>1.19</b>
<b>16</b>	7/8" x 20 UNEF	43.5 <b>1.72</b>	93.5 <b>3.68</b>	7.0 <b>0.276</b>	11.3 <b>0.444</b>	30.0 <b>1.19</b>
<b>18</b>	1" x 20 UNEF	50.0 <b>1.97</b>	95.0 <b>3.74</b>	7.0 <b>0.276</b>	14.45 <b>0.569</b>	33.0 <b>1.30</b>
<b>20</b>	1 1/8" x 18 UNEF	45.5 <b>1.80</b>	90.5 <b>3.57</b>	7.0 <b>0.276</b>	16.0 <b>0.632</b>	37.5 <b>1.48</b>
<b>22</b>	1 1/4" x 18 UNEF	45.5 <b>1.80</b>	90.5 <b>3.57</b>	7.0 <b>0.276</b>	16.0 <b>0.632</b>	37.5 <b>1.48</b>
<b>24</b>	1 3/8" x 18 UNEF	47.5 <b>1.87</b>	77.5 <b>3.05</b>	7.0 <b>0.276</b>	19.23 <b>0.757</b>	43.3 <b>1.71</b>
<b>28</b>	1 5/8" x 18 UNEF	47.6 <b>1.88</b>	77.6 <b>3.06</b>	7.0 <b>0.276</b>	19.23 <b>0.757</b>	43.3 <b>1.71</b>
<b>32</b>	1 7/8" x 16 UN	46.5 <b>1.83</b>	76.5 <b>3.02</b>	7.0 <b>0.276</b>	23.98 <b>0.944</b>	51.7 <b>2.04</b>
<b>36</b>	2 1/16" x 16 UNS	46.4 <b>1.83</b>	76.4 <b>3.01</b>	7.0 <b>0.276</b>	31.93 <b>1.257</b>	58.0 <b>2.29</b>
<b>40</b>	2 5/16" x 16 UN	59.8 <b>2.35</b>	73.8 <b>2.90</b>	7.0 <b>0.276</b>	35.1 <b>1.38</b>	65.0 <b>2.56</b>

# ABBMS

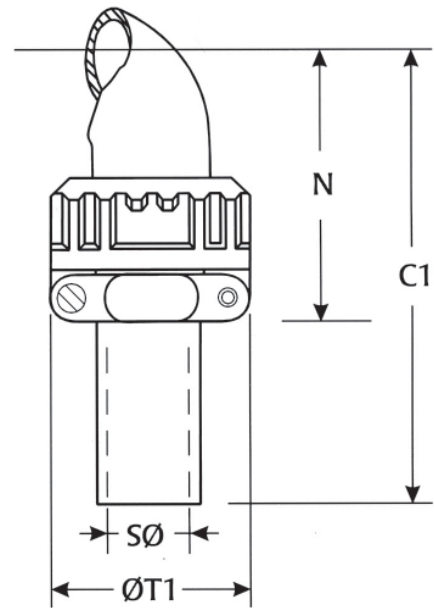
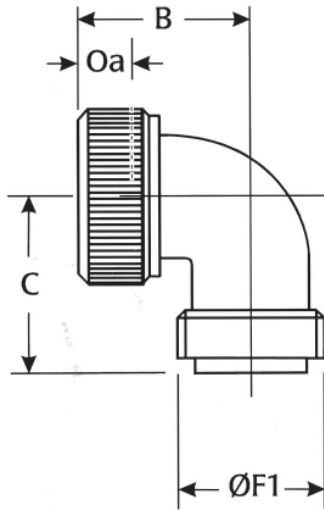
90° Angled Outlets - Accessory Type FT/F

Styles: ABB-\*\*-\*\*-FT/ABB-\*\*-\*\*-F

BS Styles: A2522/A2523



**STYLE FT**



**STYLE F**

**Metric Imperial**

How to order: **ABB - \*\* - \*\* - FT**

Shell size

Contact arrangement

Typical Example: **ABB - 10SL - 3 - FT**

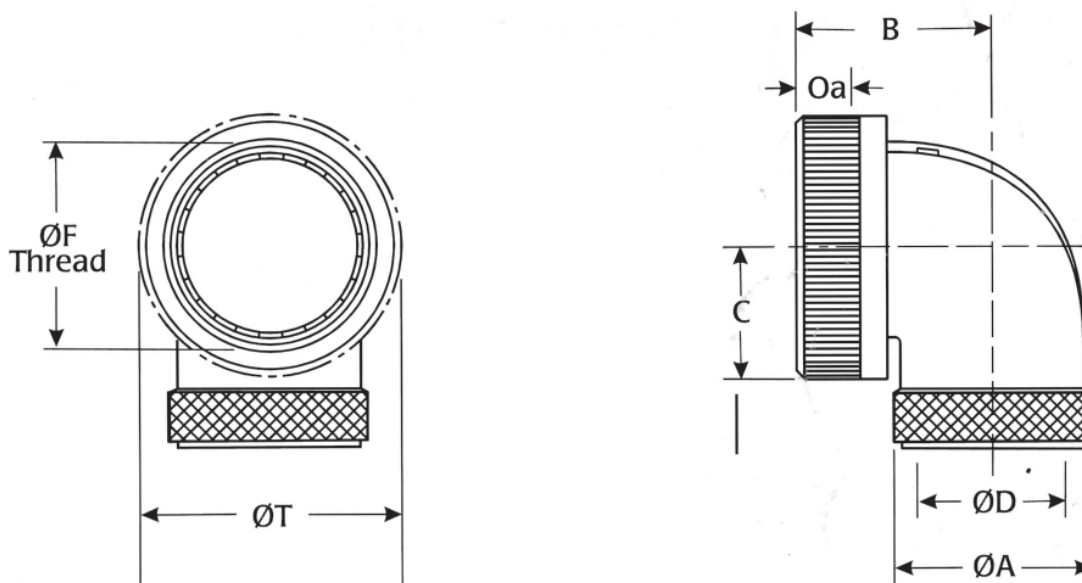
(includes grommet)

Shell size	B max	C max	C1 max	ØF Thread dia. Class2B	ØF1 Thread dia. Class2A	N max	ØT max	ØT1 max	ØS max	O <sub>a</sub> min overlap accessories
<b>10 SL</b>	24.0 <b>0.945</b>	30.0 <b>1.181</b>	100.0 <b>3.937</b>	5/8" x 24 UNEF	5/8" x 24 UNEF	42.0 <b>1.654</b>	22.0 <b>0.87</b>	22.7 <b>0.894</b>	5.76 <b>0.227</b>	7.0 <b>0.276</b>
<b>14 S</b>	25.0 <b>0.984</b>	30.0 <b>1.181</b>	100.0 <b>3.937</b>	3/4" x 20 UNEF	3/4" x 20 NEF	42.0 <b>1.654</b>	25.0 <b>0.99</b>	27.5 <b>1.083</b>	8.1 <b>0.319</b>	7.0 <b>0.276</b>
<b>16 S</b>	27.0 <b>1.063</b>	30.0 <b>1.181</b>	100.0 <b>3.937</b>	7/8" x 20 UNEF	7/8" x 20 UNEF	45.0 <b>1.772</b>	28.0 <b>1.11</b>	30.0 <b>1.181</b>	11.3 <b>0.444</b>	7.0 <b>0.276</b>
<b>16</b>	27.0 <b>1.063</b>	30.0 <b>1.181</b>	100.0 <b>3.937</b>	7/8" x 20 UNEF	7/8" x 20 UNEF	45.0 <b>1.772</b>	28.0 <b>1.11</b>	30.0 <b>1.181</b>	11.3 <b>0.444</b>	7.0 <b>0.276</b>
<b>18</b>	30.1 <b>1.185</b>	35.0 <b>1.378</b>	100.0 <b>3.937</b>	1" x 20 UNEF	1" x 20 UNEF	53.0 <b>2.087</b>	31.0 <b>1.22</b>	33.0 <b>1.299</b>	14.45 <b>0.569</b>	7.0 <b>0.276</b>
<b>20</b>	33.0 <b>1.299</b>	35.0 <b>1.378</b>	100.0 <b>3.937</b>	1 1/8" x 18 UNEF	1 3/16" x 18 UNEF	53.0 <b>2.087</b>	35.0 <b>1.38</b>	37.5 <b>1.476</b>	16.0 <b>0.632</b>	7.0 <b>0.276</b>
<b>22</b>	33.1 <b>1.303</b>	35.0 <b>1.378</b>	100.0 <b>3.937</b>	1 1/4" x 18 UNEF	1 3/16" x 18 UNEF	53.0 <b>2.087</b>	38.0 <b>1.50</b>	37.5 <b>1.476</b>	16.0 <b>0.632</b>	7.0 <b>0.276</b>
<b>24</b>	37.9 <b>1.492</b>	40.0 <b>1.575</b>	100.0 <b>3.937</b>	1 3/8" x 18 UNEF	1 7/16" x 18 NEF	58.0 <b>2.283</b>	41.0 <b>1.62</b>	43.3 <b>1.705</b>	19.23 <b>0.757</b>	7.0 <b>0.276</b>
<b>28</b>	37.1 <b>1.461</b>	40.0 <b>1.575</b>	100.0 <b>3.937</b>	1 5/8" x 18 UNEF	1 7/16" x 18 NEF	58.0 <b>2.283</b>	48.0 <b>1.89</b>	43.3 <b>1.705</b>	19.23 <b>0.757</b>	7.0 <b>0.276</b>
<b>32</b>	43.1 <b>1.697</b>	45.0 <b>1.772</b>	110.0 <b>4.331</b>	1 7/8" x 16 UN	1 3/4" x 18 NS	66.0 <b>2.598</b>	54.0 <b>2.13</b>	51.7 <b>2.035</b>	23.98 <b>0.944</b>	7.0 <b>0.276</b>
<b>36</b>	45.9 <b>1.807</b>	50.0 <b>1.969</b>	110.0 <b>4.331</b>	2 1/16" x 16 UNS	2" x 18 NS	69.0 <b>2.717</b>	61.0 <b>2.40</b>	58.0 <b>2.283</b>	31.93 <b>1.257</b>	7.0 <b>0.276</b>
<b>40</b>	49.0 <b>1.929</b>	54.6 <b>2.149</b>	100.0 <b>3.937</b>	2 5/16" x 16 UN	2 1/4" x 16 UN	85.5 <b>3.366</b>	67.0 <b>2.64</b>	65.0 <b>2.56</b>	35.1 <b>1.38</b>	7.0 <b>0.276</b>

# ABBMS

90° Outlet RFI Shielded - Accessory Type FM

Style: ABB-\*\*-\*\*-FM



**Metric Imperial**

How to order: **ABB - \*\* - \*\* - FM**  
 Shell size ————  
 Contact arrangement ————  
 Typical Example: **ABB - 10SL - 3 - FM**  
 (includes grommet)

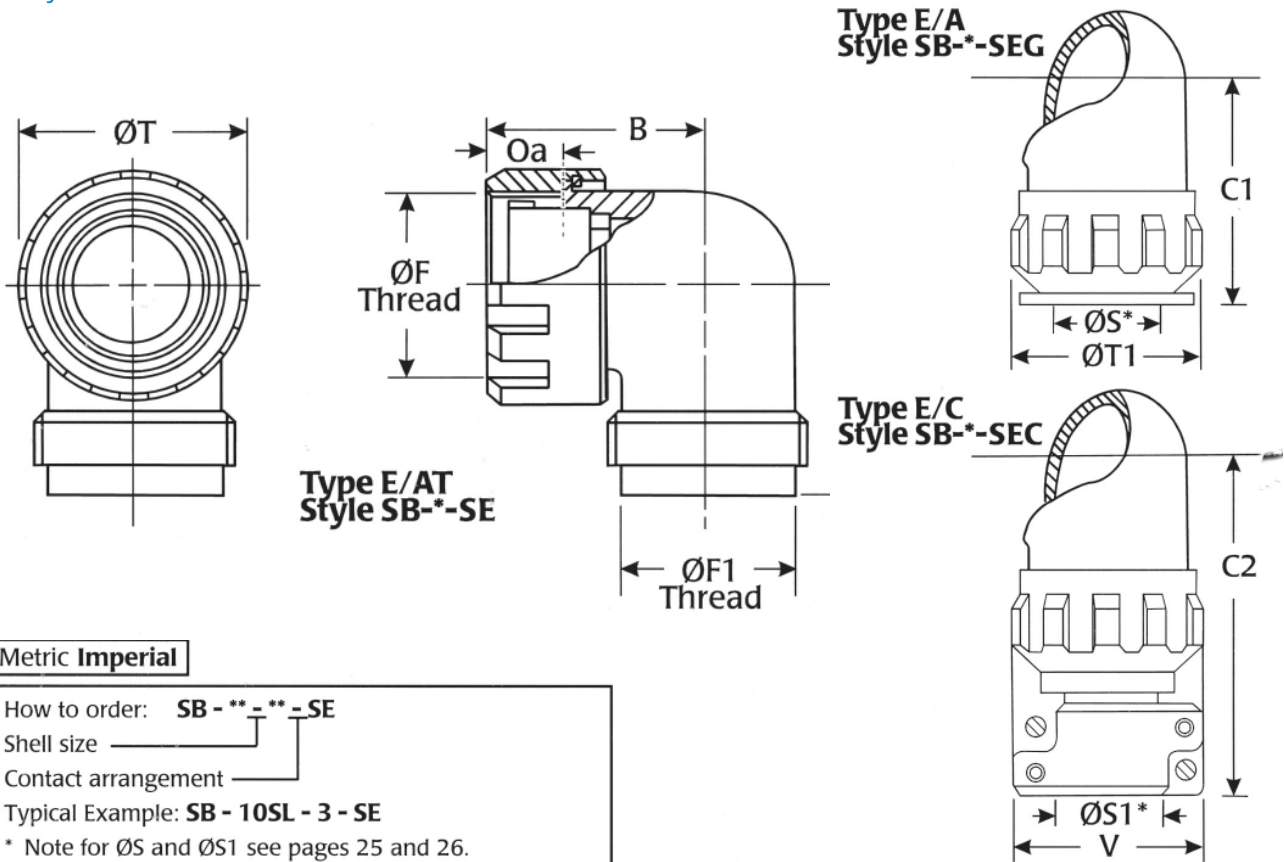
Shell size	ØF Thread dia. Class2B	ØA max	B max	C max	D max	ØT max	O <sub>a</sub> min overlap accessory
<b>10 SL</b>	5/8" x 24 UNEF	15.9 <b>0.626</b>	24.0 <b>0.945</b>	30.0 <b>1.181</b>	7.77 <b>0.306</b>	22.0 <b>0.866</b>	7.0 <b>0.276</b>
<b>14 S</b>	3/4" x 20 UNEF	19.1 <b>0.764</b>	25.0 <b>0.984</b>	30.0 <b>1.181</b>	10.36 <b>0.408</b>	25.0 <b>0.984</b>	7.0 <b>0.276</b>
<b>16 S</b>	7/8" x 20 UNEF	22.3 <b>0.878</b>	27.0 <b>1.063</b>	30.0 <b>1.181</b>	13.01 <b>0.512</b>	28.0 <b>1.102</b>	7.0 <b>0.276</b>
<b>16</b>	7/8" x 20 UNEF	22.3 <b>0.878</b>	27.0 <b>1.063</b>	30.0 <b>1.181</b>	13.01 <b>0.512</b>	28.0 <b>1.102</b>	7.0 <b>0.276</b>
<b>18</b>	1" x 20 UNEF	25.5 <b>1.004</b>	30.1 <b>1.224</b>	35.0 <b>1.378</b>	15.14 <b>0.596</b>	31.0 <b>1.220</b>	7.0 <b>0.276</b>
<b>20</b>	1 1/8" x 18 UNEF	30.2 <b>1.189</b>	33.0 <b>1.299</b>	35.0 <b>1.378</b>	18.10 <b>0.713</b>	35.0 <b>1.378</b>	7.0 <b>0.276</b>
<b>22</b>	1 1/4" x 18 UNEF	30.2 <b>1.189</b>	33.1 <b>1.303</b>	35.0 <b>1.378</b>	21.62 <b>0.851</b>	38.0 <b>1.496</b>	7.0 <b>0.276</b>
<b>24</b>	1 3/8" x 18 UNEF	36.6 <b>1.441</b>	37.9 <b>1.492</b>	40.0 <b>1.575</b>	25.10 <b>0.988</b>	41.0 <b>1.614</b>	7.0 <b>0.276</b>
<b>28</b>	1 5/8" x 18 UNEF	36.6 <b>1.441</b>	37.1 <b>1.461</b>	40.0 <b>1.575</b>	30.38 <b>1.196</b>	48.0 <b>1.890</b>	7.0 <b>0.276</b>
<b>32</b>	1 7/8" x 16 UN	44.5 <b>1.752</b>	43.1 <b>1.697</b>	45.0 <b>1.772</b>	36.48 <b>1.436</b>	54.0 <b>2.126</b>	7.0 <b>0.276</b>
<b>36</b>	2 1/16" x 16 UNS	50.9 <b>2.004</b>	45.9 <b>1.807</b>	50.0 <b>1.969</b>	40.67 <b>1.601</b>	61.0 <b>2.402</b>	7.0 <b>0.276</b>
<b>40</b>	2 5/16" x 16 UN	57.2 <b>2.252</b>	49.0 <b>1.929</b>	54.6 <b>2.150</b>	48.50 <b>1.909</b>	67.0 <b>2.638</b>	7.0 <b>0.276</b>

# ABBMS

90° Angled Outlets - Accessory Type E/AT, E/A, E/AC (5MS locking)

Styles: SB-\*\*-\*\*-SE/SB-\*\*-\*\*-SEG/SB-\*\*-\*\*-SEC

BS Styles: A2348/A2357/A2358



**Metric Imperial**

How to order: SB - \*\* - \*\* - SE

Shell size

Contact arrangement

Typical Example: SB - 10SL - 3 - SE

\* Note for ØS and ØS1 see pages 25 and 26.

Shell size	B max	C max	C1 max	C2 max	ØF Thread Ø Class2B	ØT max	ØT1 max	V max	O <sub>min</sub> overlap accessory	ØF1 Thread Ø Class2A
10 SL	25.88 1.019	23.6 0.928	35.41 1.394	43.99 1.732	5/8" x 24 UNEF	24.7 0.973	21.59 0.850	21.47 0.845	5.1 0.200	5/8" x 24 UNEF
14 S	26.72 1.052	26.4 1.040	36.83 1.450	47.62 1.875	3/4" x 20 UNEF	27.1 1.067	24.77 0.975	24.64 0.970	5.1 0.200	3/4" x 20 UNEF
16 S	28.17 1.109	27.9 1.097	38.28 1.507	49.02 1.930	7/8" x 20 UNEF	29.46 1.160	28.7 1.130	28.7 1.130	5.1 0.200	7/8" x 20 UNEF
16	28.17 1.109	27.9 1.097	38.28 1.507	49.02 1.930	7/8" x 20 UNEF	29.46 1.160	28.7 1.130	28.7 1.130	7.6 0.300	7/8" x 20 UNEF
18	38.0 1.496	32.4 1.276	42.7 1.681	61.47 2.420	1" x 20 UNEF	31.88 1.255	31.88 1.255	31.88 1.255	7.6 0.300	1" x 20 UNEF
20	39.52 1.556	35.7 1.407	46.02 1.812	64.82 2.552	1 1/8" x 18 UNEF	34.24 1.348	34.92 1.375	35.06 1.380	7.6 0.300	1 1/8" x 18 UNEF
22	40.36 1.589	37.13 1.462	47.42 1.867	66.22 2.607	1 1/4" x 18 UNEF	37.44 1.474	38.23 1.505	38.23 1.505	7.6 0.300	1 1/4" x 18 UNEF
24	44.81 1.764	38.8 1.530	49.15 1.935	67.95 2.675	1 3/8" x 18 UNEF	40.59 1.598	41.40 1.630	41.40 1.630	7.6 0.300	1 3/8" x 18 UNEF
28	45.19 1.779	41.7 1.642	52.25 2.057	70.79 2.787	1 5/8" x 18 UNEF	46.96 1.849	47.76 1.880	47.76 1.880	7.6 0.300	1 5/8" x 18 UNEF
32	50.57 1.991	44.8 1.762	15.17 2.172	73.96 2.912	1 7/8" x 16 UN	53.31 2.099	54.10 2.130	54.10 2.130	7.6 0.300	1 7/8" x 16 UNEF
* 36	52.73 2.076	47.0 1.852	57.66 2.270	57.66 2.270	2" x 18 UNS	59.41 2.339	58.67 2.310	58.75 2.313	7.6 0.300	2" x 18 UNS

\* Consult factory for connector shell to accommodate 2" x 18 UNS mating thread.

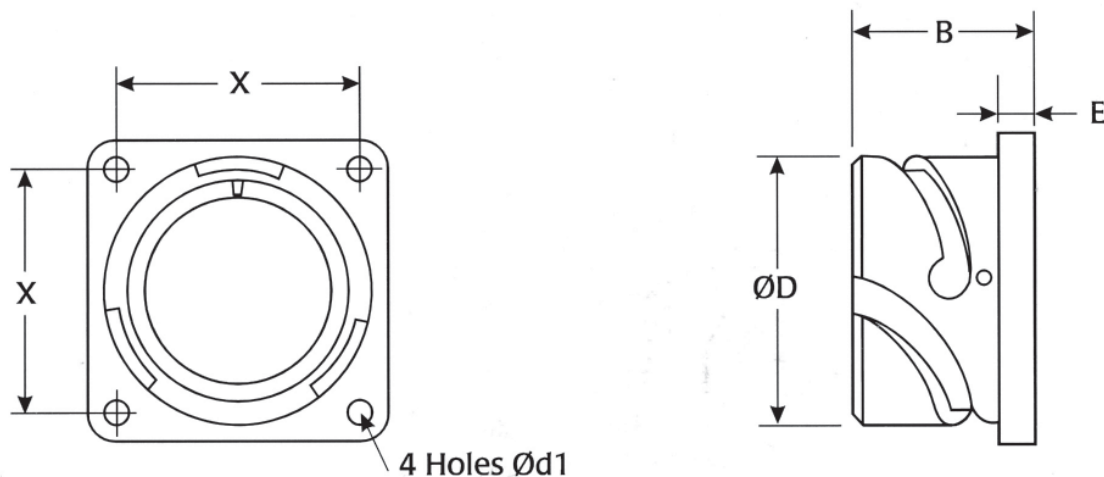


# ABBMS

Stowage Receptacle

Style: ABB-\*\*-\*\*-SX

BS Style: A2541

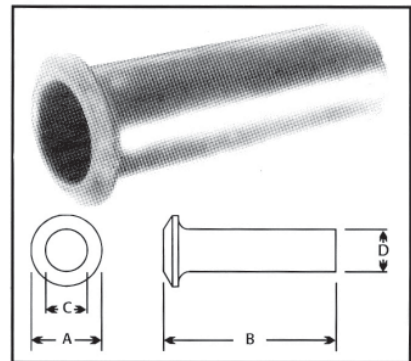
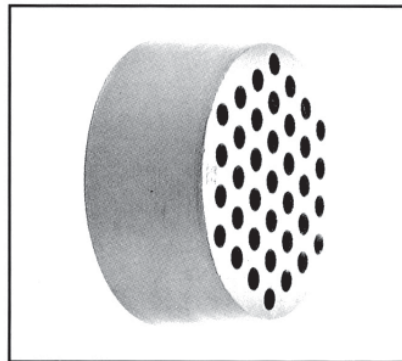
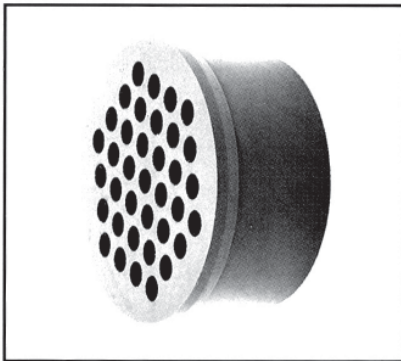


**Metric Imperial**

Part number	B max	C max	ØD max	Ød1 min	E max	X
ABB-10SL-SX	17.6 <b>0.693</b>	25.7 <b>1.012</b>	18.2 <b>0.717</b>	3.2 <b>0.126</b>	3.0 <b>0.118</b>	18.2 <b>0.717</b>
ABB-14S-SX	18.0 <b>0.709</b>	30.3 <b>1.193</b>	24.6 <b>0.969</b>	3.2 <b>0.126</b>	3.4 <b>0.134</b>	23.1 <b>0.909</b>
ABB-16S-SX	18.0 <b>0.709</b>	32.8 <b>1.291</b>	27.4 <b>1.079</b>	3.2 <b>0.126</b>	3.4 <b>0.134</b>	24.6 <b>0.969</b>
ABB-16-SX	22.8 <b>0.898</b>	32.8 <b>1.291</b>	27.4 <b>1.079</b>	3.2 <b>0.126</b>	3.4 <b>0.134</b>	24.6 <b>0.969</b>
ABB-18-SX	23.6 <b>0.929</b>	35.3 <b>1.390</b>	30.8 <b>1.213</b>	3.2 <b>0.126</b>	4.2 <b>0.165</b>	27.0 <b>1.063</b>
ABB-20-SX	23.6 <b>0.929</b>	38.3 <b>1.508</b>	34.2 <b>1.346</b>	3.2 <b>0.126</b>	4.2 <b>0.165</b>	29.4 <b>1.157</b>
ABB-22-SX	23.6 <b>0.929</b>	41.3 <b>1.626</b>	37.4 <b>1.472</b>	3.2 <b>0.126</b>	4.2 <b>0.165</b>	31.8 <b>1.252</b>
ABB-24-SX	25.2 <b>0.992</b>	44.8 <b>1.764</b>	40.9 <b>1.610</b>	3.7 <b>0.146</b>	4.2 <b>0.165</b>	34.9 <b>1.374</b>
ABB-28-SX	25.2 <b>0.992</b>	51.1 <b>2.012</b>	46.7 <b>1.838</b>	3.7 <b>0.146</b>	4.2 <b>0.165</b>	39.7 <b>1.563</b>
ABB-32-SX	26.8 <b>1.055</b>	57.3 <b>2.256</b>	53.4 <b>2.102</b>	4.3 <b>0.169</b>	4.2 <b>0.165</b>	44.5 <b>1.752</b>
ABB-36-SX	26.8 <b>1.055</b>	63.8 <b>2.512</b>	59.6 <b>2.346</b>	4.3 <b>0.169</b>	4.2 <b>0.165</b>	49.2 <b>1.937</b>
ABB-40-SX	26.8 <b>1.055</b>	70.2 <b>2.763</b>	65.5 <b>2.579</b>	4.3 <b>0.169</b>	4.2 <b>0.165</b>	55.5 <b>2.185</b>

# ABBMS

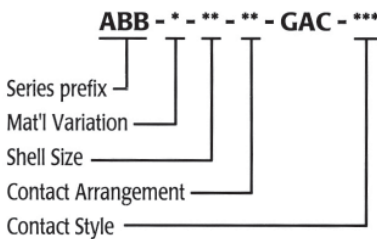
## Wire Seal Grommets & Bushing



### Grommets

ABB style used with accessory classes: D, E/V, F, FT, G, GG, GS, H, H/C, JE, M, L, M, R & SM.

#### How to order:



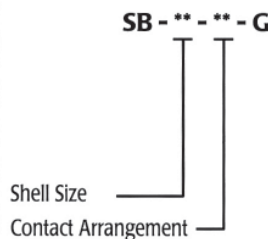
#### Example: ABB-H-28-11-GAC-F80

- Series Prefix: **ABB**, approved to BS9522 F0032 & VG95234.
- Mat'l Variation: **H**, low halogen material, leave blank for standard.
- Shell size: **28**.
- Contact arrangement: **11**
- Contact Style: **F80**, leave blank for VG95234 style contacts.

### Grommets

SBMS style used with accessory classes: E, E/C, E/MC, E/A, E/AT & E/AC only

#### How to order:



Consult factory for availability of low halogen material.

Shell size	Bushing	A	B	C	D
		±0.178 0.007	±0.178 0.007	±0.178 0.007	±0.178 0.007
10 SL	SB-MS 554/1	12.83 0.505	69.85 2.750	5.59 0.220	7.62 0.300
14 S	SB-MS 554/2	15.88 0.625	66.68 2.625	7.92 0.312	10.8 0.425
16 S	SB-MS 554/3	19.05 0.750	63.5 2.500	11.1 0.437	13.97 0.550
16	SB-MS 554/3	19.05 0.750	63.5 2.500	11.1 0.437	13.97 0.550
18	SB-MS 554/4	22.23 0.875	60.33 2.375	14.27 0.562	15.57 0.613
20	SB-MS 554/5	25.4 1.000	57.15 2.250	15.88 0.625	18.75 0.738
22	SB-MS 554/6	28.58 1.125	57.15 2.250	15.88 0.625	18.75 0.738
24	SB-MS 554/7	31.75 1.250	53.98 2.125	19.05 0.750	23.50 0.925
28	SB-MS 554/8	38.23 1.505	53.98 2.125	19.05 0.750	23.50 0.925
32	SB-MS 554/9	44.45 1.750	50.80 2.000	23.80 0.937	31.45 1.238
36	SB-MS 554/10	47.88 1.885	47.63 1.875	31.75 1.250	34.62 1.363
40	SB-MS 554/11	52.9 2.083	44.4 1.748	34.92 1.375	40.99 1.614

### Metric Imperial

F80 Contact sizes	Wire insulation limits	
	Min O/D	Max O/D
16	1.52 0.06	2.80 0.110
12	2.1 0.083	3.61 0.142
100	7.0 0.276	10.0 0.394
160	8.18 0.322	11.0 0.433
500	14.0 0.551	16.0 0.630

### Metric Imperial

VG & SB MS Contact sizes	Wire insulation limits	
	Min O/D	Max O/D
20	1.52 0.06	2.16 0.085
16	1.68 0.066	2.77 0.109
12	2.46 0.097	3.61 0.142
100	4.34 0.171	5.48 0.216
160	7.00 0.276	8.18 0.322

The bushings are used with accessory types D, E/MC, F, and H/C. They can be fitted inside one another to reduce the cable entry diameter to improve clamping and sealing.

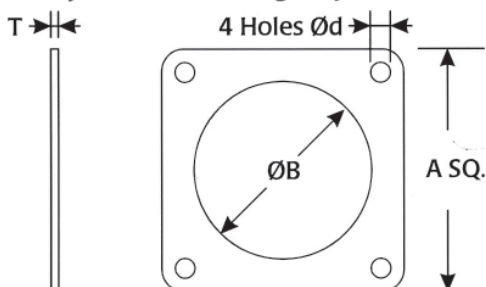
Note: To order low halogen material, add 'H' to part number: ie SBMS H 554/11 for size 40.

## ABBMS Panel Sealing Gaskets

### Front Mounted Receptacle

AB Part Number: SB - \*\* - RPG

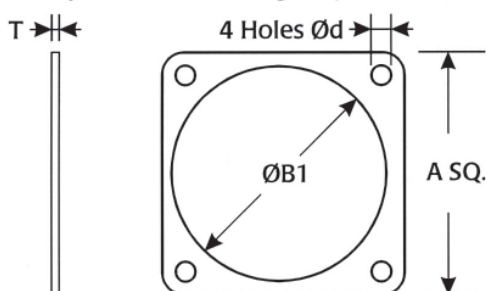
BS Style: A2765 Sealing only.



### Rear Mounted Receptacle

AB Part Number: SB - \*\* - FPG

BS Style: A2767 Sealing only.

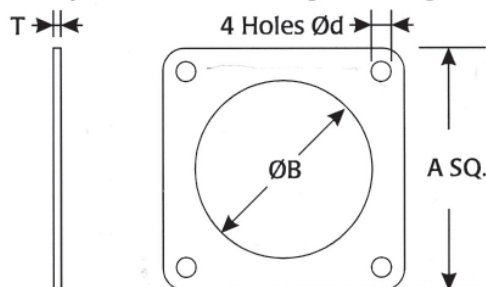


## ABBMS Panel Sealing Gaskets RFI Conductive Screening

### Front Mounted Receptacle

AB Part Number: SB - \*\* - RPGS

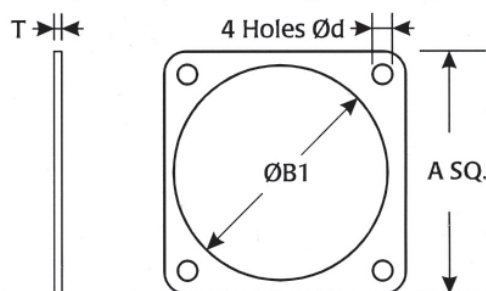
BS Style: A2766 Screening & Sealing.



### Rear Mounted Receptacle

AB Part Number: SB - \*\* - FPGS

BS Style: A2768 Screening & Sealing.



Metric Imperial

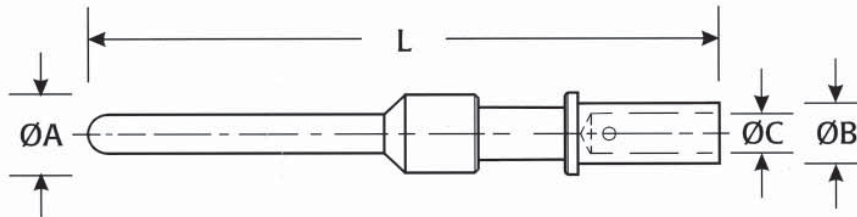
Shell size **	A min	ØB Nominal	ØB1 Nominal	Ød Nominal	T Nominal
10 SL	25.4 1.000	15.88 0.625	18.3 0.720	3.43 0.135	1.0 0.040
14 S	3.2 1.188	19.0 0.750	24.7 0.972	3.43 0.135	1.0 0.040
16 S	32.5 1.280	22.2 0.875	27.5 1.083	3.43 0.135	1.0 0.040
16	32.5 1.280	22.2 0.875	27.5 1.083	3.43 0.135	1.0 0.040
18	34.9 1.375	25.4 1.000	30.9 1.217	3.43 0.135	1.0 0.040
20	38.1 1.500	28.6 1.125	34.3 1.350	3.43 0.135	1.0 0.040
22	41.3 1.625	31.7 1.250	37.5 1.476	3.43 0.135	1.0 0.040
24	44.5 1.750	34.9 1.375	41.0 1.614	4.12 0.162	1.0 0.040
28	50.8 2.000	41.3 1.625	46.8 1.843	4.12 0.162	1.0 0.040
32	57.2 2.250	47.6 1.875	53.5 2.106	4.78 0.188	1.0 0.040
36	63.5 2.500	52.6 2.071	59.7 2.350	4.78 0.188	1.0 0.040
40	69.9 2.75	61.9 2.44	65.5 2.58	5.1 2.01	1.0 0.040

Metric Imperial

Shell size **	A min	ØB Nominal	ØB1 Nominal	Ød Nominal	T Nominal
10 SL	25.4 1.000	15.88 0.625	18.3 0.720	4.2 0.165	1.0 0.040
14 S	30.2 1.188	22.1 0.870	24.7 0.972	4.2 0.165	1.0 0.040
16 S	32.5 1.280	25.3 0.996	27.5 1.083	4.2 0.165	1.0 0.040
16	32.5 1.280	25.3 0.996	27.5 1.217	4.2 0.165	1.0 0.040
18	34.9 1.375	28.4 1.118	30.9 1.217	4.2 0.165	1.0 0.040
20	38.1 1.500	31.6 1.244	34.3 1.350	4.2 0.165	1.0 0.040
22	41.3 1.625	34.8 1.370	37.5 1.476	4.2 0.165	1.0 0.040
24	44.5 1.750	38.0 1.496	41.0 1.614	4.2 0.165	1.0 0.040
28	50.8 2.000	44.3 1.744	46.8 1.843	5.1 0.201	1.0 0.040
32	57.2 2.250	50.7 1.996	53.5 2.106	5.1 0.201	1.0 0.040
36	63.5 2.500	57.0 2.244	59.7 2.350	5.1 0.201	1.0 0.040
40	69.9 2.75	61.9 2.44	65.5 2.58	5.1 2.01	1.0 0.040

# ABBMS

## VG 95234 Style Crimp Contacts Pin



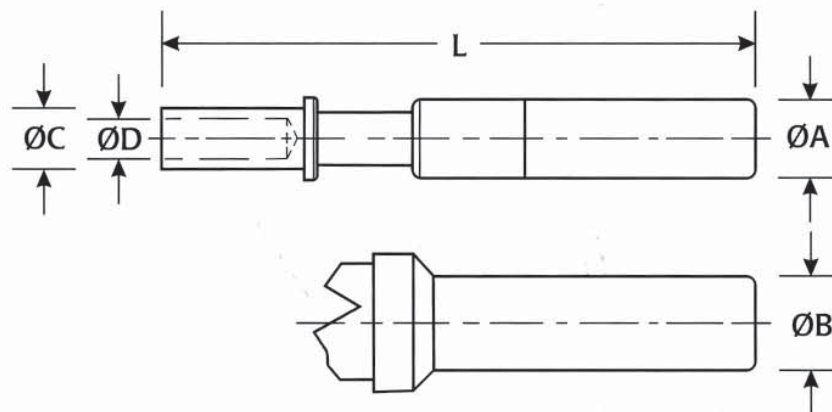
Metric Imperial

Contact size AWG (Metric)	Part number	$\varnothing A$	$\varnothing B$	$\varnothing C$	Conductor CSA mm <sup>2</sup>	L
20 (10)	ABB-20-KPK	2.0 0.079	2.4 0.094	1.5 0.059	0.75/1.0 0.030/0.039	28.4 1.119
16 S (15S)	ABB-16S-KPK	3.2 0.126	2.75 0.108	1.75 0.069	1.0/1.5 0.039/0.059	27.4 1.078
16 (15)	ABB-16-KPK	3.2 0.126	2.75 0.108	1.75 0.069	1.0/1.5 0.039/0.059	31.4 1.236
12/16	ABB-12/16-KPK	4.8 0.189	3.8 0.150	1.75 0.069	1.0/1.5 0.039/0.059	37.0 1.457
12 (25)	ABB-12-KPK	4.8 0.189	3.8 0.150	2.5 0.098	2.5 0.098	37.0 1.457
(60)	ABB-60-KPK	7.6 0.299	6.8 0.268	3.5 0.138	6.0 0.236	39.6 1.56
8	ABB-8-KPK	7.6 0.299	6.8 0.268	4.55 0.179	9.0 0.354	39.6 1.56
(100)	ABB-100-KPK	7.6 0.299	6.8 0.268	4.8 0.189	10.0 0.394	39.6 1.56
(160)	ABB-160-KPK	11.2 0.441	9.55 0.376	6.2 0.244	16.0 0.623	39.6 1.56
4	ABB-4-KPK	11.2 0.441	9.55 0.376	7.1 0.28	22.0 0.866	39.6 1.56
(500)	ABB-500-KPK	15.15 0.596	14.35 0.565	10.7 0.421	50.0 1.969	41.0 1.614
0	ABB-0-KPK	15.15 0.596	14.35 0.565	11.5 0.453	53.0 2.09	41.0 1.614
0000	ABB-0000-KPK	22.0 0.866	21.3 0.839	16.75 0.659	120.0 4.72	48.0 1.89

The part numbers shown indicate silver plated contacts. For alternative finishes please consult factory.

## ABBMS

## VG 95234 Style Crimp Contacts Socket



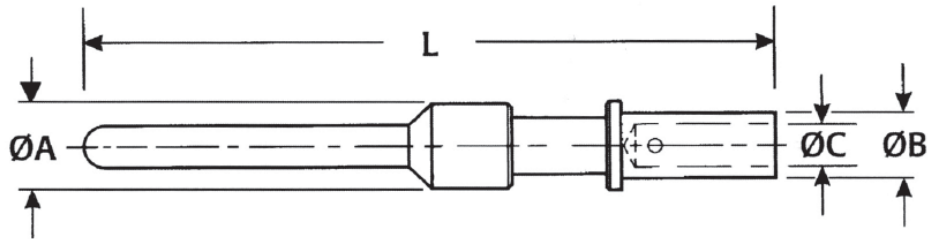
## Metric Imperial

Contact size AWG (Metric)	Part number	ØA	ØB	ØC	ØD	Conductor CSA mm <sup>2</sup>	L
20 (10)	ABB-20-KSK	2.0 0.079	- -	2.4 0.094	1.5 0.059	0.75/1.0 0.030/0.039	36.8 1.445
16 S (15S)	ABB-16S-KSK	3.2 0.126	- -	2.75 0.108	1.75 0.069	1.0/1.5 0.039/0.059	29.1 1.146
16 (15)	ABB-16-KSK	3.2 0.126	- -	2.75 0.108	1.75 0.069	1.0/1.5 0.039/0.059	37.8 1.488
12/16	ABB-12/16-KSK	4.8 0.189	- -	3.8 0.150	1.75 0.069	1.0/1.5 0.039/0.059	37.0 1.457
12 (25)	ABB-12-KSK	4.8 0.189	- -	3.8 0.150	2.5 0.098	2.5 0.098	37.0 1.457
(60)	ABB-60-SKSK	7.6 0.299	6.5 0.256	6.8 0.268	3.5 0.138	6.0 0.236	40.1 1.579
8	ABB-8-SKSK	7.6 0.299	6.5 0.256	6.8 0.268	4.55 0.179	9.0 0.354	40.1 1.579
(100)	ABB-100-SKSK	7.6 0.299	6.5 0.256	6.8 0.268	4.8 0.189	10.0 0.394	40.1 1.579
(160)	ABB-160-SKSK	11.2 0.441	8.6 0.339	9.55 0.376	6.2 0.244	16.0 0.623	40.1 1.579
4	ABB-4-SKSK	11.2 0.441	8.6 0.339	9.55 0.376	7.1 0.280	22.0 0.866	40.1 1.579
(500)	ABB-500-SKSK	15.15 0.596	13.2 0.520	14.35 0.565	10.7 0.421	50.0 1.969	41.6 1.638
0	ABB-0-SKSK	15.15 0.596	13.2 0.520	14.35 0.565	11.5 0.453	53.0 2.09	41.6 1.638
0000	ABB-0000-KSK	22.0 0.866	19.15 0.754	21.3 0.839	16.75 0.659	120.0 4.72	48.6 1.913

The part numbers shown indicate silver plated contacts. For alternative finishes please consult factory.

# ABBMS

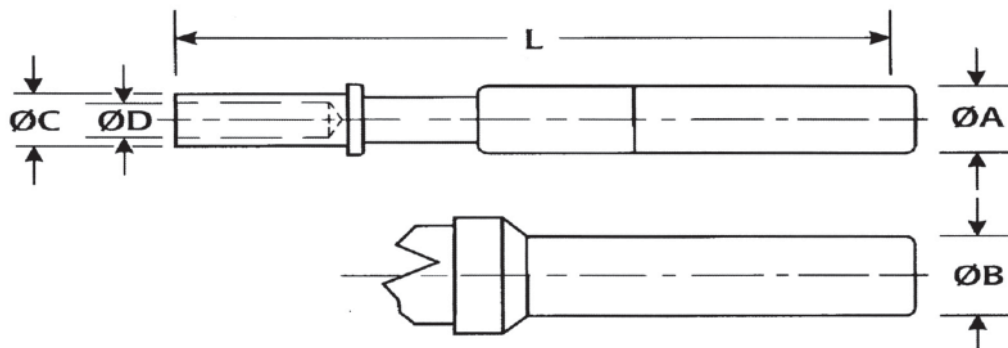
## F80 Style Pin Contacts



Contact Size AWG (Metric)	Part Number	ØA	ØB	ØC	Conductor CSA mm <sup>2</sup>	L
16S	ABB 6S KPK F80	3.2 <b>0.126</b>	2.75 <b>0.108</b>	1.75 <b>0.069</b>	1.0/1.5 <b>0.039/0.059</b>	26.6 <b>1.047</b>
16/20	ABB 16/20 KPK F80	3.2 <b>0.126</b>	2.65 <b>0.104</b>	1.10 <b>0.043</b>	0.6 <b>0.024</b>	31.75 <b>1.25</b>
16	ABB 16 KPK F80	3.2 <b>0.126</b>	2.75 <b>0.108</b>	1.75 <b>0.069</b>	1.0/1.5 <b>0.039/0.059</b>	31.75 <b>1.25</b>
12/20	ABB 12/20 KPK F80	4.8 <b>0.189</b>	2.65 <b>0.104</b>	1.10 <b>0.043</b>	0.6 <b>0.024</b>	37.5 <b>1.476</b>
12/16	ABB 12/16 KPK F80	4.8 <b>0.189</b>	2.75 <b>0.108</b>	1.75 <b>0.069</b>	1.0/1.5 <b>0.039/0.059</b>	37.5 <b>1.476</b>
12	ABB 12 KPK F80	4.8 <b>0.189</b>	3.8 <b>0.150</b>	2.5 <b>0.098</b>	2.5 <b>0.098</b>	37.5 <b>1.476</b>
12/10	ABB 12/10 KPK F80	4.8 <b>0.189</b>	4.0 <b>0.157</b>	2.7 <b>0.105</b>	4.0 <b>0.157</b>	37.5 <b>1.476</b>
8/10	ABB 8/10 KPK F80	7.8 <b>0.307</b>	5.2 <b>0.205</b>	2.9 <b>0.114</b>	4.0 <b>0.157</b>	40.7 <b>1.602</b>
(100/60)	ABB 100/60 KPK F80	7.8 <b>0.307</b>	5.5 <b>0.217</b>	3.4 <b>0.134</b>	6.0 <b>0.236</b>	40.7 <b>1.602</b>
(100)	ABB 100 KPK F80	7.8 <b>0.307</b>	7.0 <b>0.276</b>	4.4 <b>0.173</b>	10.0 <b>0.394</b>	40.7 <b>1.602</b>
(160)	ABB 160 KPK F80	11.0 <b>0.433</b>	9.45 <b>0.372</b>	5.7 <b>0.224</b>	16.0 <b>0.630</b>	41.25 <b>1.624</b>
(500/160)	ABB 500/160 KPK F80	15.0 <b>0.591</b>	9.45 <b>0.372</b>	5.7 <b>0.224</b>	16.0 <b>0.630</b>	44.5 <b>1.752</b>
(500/250)	ABB 500/250 KPK F80	15.0 <b>0.591</b>	10.0 <b>0.394</b>	7.0 <b>0.276</b>	25.0 <b>0.984</b>	44.5 <b>1.752</b>
(500/350)	ABB 500/350 KPK F80	15.0 <b>0.591</b>	14.35 <b>0.565</b>	9.0 <b>0.354</b>	35.0 <b>1.378</b>	44.5 <b>1.752</b>
(500)	ABB 500 KPK F80	15.0 <b>0.591</b>	14.35 <b>0.565</b>	9.8 <b>0.386</b>	50.0 <b>1.969</b>	44.5 <b>1.752</b>

# ABBMS

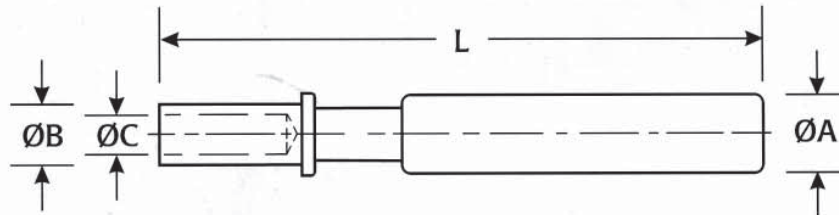
## F80 Style Socket Contacts



Contact Size AWG (Metric)	Part Number	ØA	ØB	ØC	ØD	Conductor CSA mm <sup>2</sup>	L
16S	ABB 16S KSK F80	<b>3.2</b> <b>0.126</b>	-	2.75 <b>0.108</b>	1.75 <b>0.069</b>	1.0/1.5 <b>0.039/0.059</b>	26.6 <b>1.047</b>
16/20	ABB 16/20 KSK F80	3.2 <b>0.126</b>	-	2.65 <b>0.104</b>	1.10 <b>0.049</b>	0.6 <b>0.024</b>	36.5 <b>1.437</b>
16	ABB 16 KSK F80	3.2 <b>0.126</b>	-	2.75 <b>0.108</b>	1.75 <b>0.069</b>	1.0/1.5 <b>0.039/0.059</b>	36.5 <b>1.437</b>
12/20	ABB 12/20 KSK F80	4.8 <b>0.189</b>	-	2.65 <b>0.104</b>	1.10 <b>0.049</b>	0.6 <b>0.024</b>	37.5 <b>1.476</b>
12/16	ABB 12/16 KSK F80	4.8 <b>0.189</b>	-	2.75 <b>0.108</b>	1.75 <b>0.069</b>	1.0/1.5 <b>0.039/0.059</b>	37.5 <b>1.476</b>
12	ABB 12 KSK F80	4.8 <b>0.189</b>	-	3.8 <b>0.150</b>	2.5 <b>0.098</b>	2.5 <b>0.098</b>	37.5 <b>1.476</b>
12/10	ABB 12/10 KSK F80	4.8 <b>0.189</b>	-	4.0 <b>0.157</b>	2.7 <b>0.106</b>	4.0 <b>0.157</b>	37.5 <b>1.476</b>
8/10	ABB 8/10 KSK F80	7.8 <b>0.307</b>	6.5 <b>0.256</b>	5.2 <b>0.204</b>	2.9 <b>0.114</b>	4.0 <b>0.157</b>	40.7 <b>1.602</b>
(100/60)	ABB 100/60 KSK F80	7.8 <b>0.307</b>	6.5 <b>0.256</b>	5.5 <b>0.217</b>	3.4 <b>0.134</b>	6.0 <b>0.236</b>	40.7 <b>1.602</b>
(100)	ABB 100 KSK F80	7.8 <b>0.307</b>	6.5 <b>0.256</b>	7.0 <b>0.276</b>	4.4 <b>0.173</b>	10.0 <b>0.394</b>	40.7 <b>1.602</b>
(160)	ABB 160 KSK F80	11.1 <b>0.437</b>	8.6 <b>0.339</b>	9.45 <b>0.372</b>	5.7 <b>0.224</b>	16.0 <b>0.630</b>	41.25 <b>1.624</b>
(500/160)	ABB 500/160 KSK F80	15.1 <b>0.594</b>	13.2 <b>0.52</b>	9.45 <b>0.372</b>	5.7 <b>0.224</b>	16.0 <b>0.630</b>	44.5 <b>1.752</b>
(500/250)	ABB 500/250 KSK F80	15.1 <b>0.594</b>	13.2 <b>0.52</b>	10.0 <b>0.394</b>	7.0 <b>0.276</b>	25.0 <b>0.984</b>	44.5 <b>1.752</b>
(500/350)	ABB 500/350 KSK F80	15.1 <b>0.594</b>	13.2 <b>0.52</b>	14.35 <b>0.565</b>	9.0 <b>0.354</b>	35.0 <b>1.378</b>	44.5 <b>1.752</b>
(500)	ABB 500 KSK F80	15.1 <b>0.594</b>	13.2 <b>0.52</b>	14.35 <b>0.565</b>	9.8 <b>0.386</b>	50.0 <b>1.969</b>	44.5 <b>1.752</b>

# ABBMS

## VG 95234 Style Crimp Contacts Low Insertion Force Socket



Metric		Imperial				
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Contact size AWG (Metric)	Part number	ØA	ØB	ØC	Conductor CSA mm <sup>2</sup>	L
16S	ABB-16S-KLK-P3	3.2 0.126	2.75 0.108	1.75 0.069	1.0/1.5 0.039/0.059	29.1 1.146
16/20	ABB-16/20-KLK-P3	3.2 0.126	2.6 0.102	1.2 0.047	0.6 0.002	37.8 1.488
16	ABB-16-KLK-P3	3.2 0.126	2.75 0.108	1.75 0.069	1.0/1.5 0.039/0.059	37.8 1.488
12/16	ABB-12/16-KLK-P3	4.8 0.189	3.8 0.150	1.75 0.069	1.0/1.5 0.039/0.059	37.0 1.457
12	ABB-12-KLK-P3	4.8 0.189	3.8 0.150	2.5 0.098	2.5 0.098	37.0 1.457

The part numbers shown indicate gold plated contacts. For alternative finishes please consult factory.



# ABBMS

## Crimp Bucket Adaptors, Dummy Contacts & Grommet Filler Plugs

### Crimp bucket adaptors

Part number	Crimp contact size	Wire size
ABB-1622-CBA	16S/16 AWG	22 AWG
ABB-1620-CBA	16S/16 AWG	20 AWG
ABB-1216-CBA	12 AWG	16 AWG
ABB-10012-CBA	100 metric	12 AWG
ABB-812-CBA	8 AWG	12 AWG
ABB-811-CBA	8 AWG	11 AWG
BB-810-CBA	8 AWG	10 AWG
ABB-46-CBA	4 AWG	6 AWG
ABB-460-CBA	4 AWG	6mm <sup>2</sup>
ABB-4100-CBA	4 AWG	10mm <sup>2</sup>
ABB-4160-CBA	4 AWG	16mm <sup>2</sup>
ABB-0500-CBA	0 AWG	50mm <sup>2</sup>

### Solder contacts

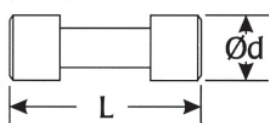
Non-removable silver plated contacts with preloaded solder buckets.

Metric		Imperial	
Contact size	Bucket inside dia. (mm) nominal	Max conductor CSA mm <sup>2</sup>	
20	1.6 <b>0.063</b>	1.0 <b>0.039</b>	
16S/16	1.85 <b>0.073</b>	1.5 <b>0.059</b>	
12	2.95 <b>0.116</b>	2.5 <b>0.098</b>	
8	5.31 <b>0.209</b>	9.0 <b>0.354</b>	
4	8.35 <b>0.329</b>	22.0 <b>0.866</b>	
0	12.0 <b>0.472</b>	53.0 <b>2.087</b>	

**Metric Imperial**

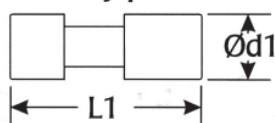
Contact size - ** AWG (Metric)	L max	Ød max	L1 max	Ød1 max	L2 max	Ød2 max	Colour code
20 (10)	9.7 <b>0.382</b>	3.2 <b>0.126</b>	20.4 <b>0.803</b>	2.6 <b>0.102</b>	37.0 <b>1.457</b>	2.6 <b>0.102</b>	Red
16S (15S)	12.3 <b>0.484</b>	3.9 <b>0.154</b>	16.4 <b>0.646</b>	3.2 <b>0.126</b>	28.5 <b>1.122</b>	3.4 <b>0.134</b>	Blue
16 (15)	12.3 <b>0.484</b>	3.9 <b>0.154</b>	20.4 <b>0.803</b>	3.2 <b>0.126</b>	37.0 <b>1.457</b>	3.4 <b>0.134</b>	Blue
12 (25)	12.3 <b>0.484</b>	4.8 <b>0.189</b>	21.4 <b>0.843</b>	4.8 <b>0.189</b>	36.5 <b>1.437</b>	4.8 <b>0.189</b>	Yellow
8 (60/100)	12.3 <b>0.484</b>	6.0 <b>0.236</b>	<b>Dummy contacts not available</b>				White
4 (160)	12.3 <b>0.484</b>	8.7 <b>0.343</b>					Green
0 (500)	12.3 <b>0.484</b>	13.5 <b>0.531</b>					Black

### Grommet filler plugs (ABB grommets only)



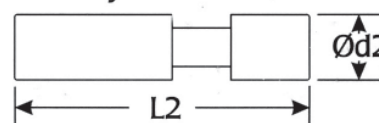
Part No: ABB-\*\*-KFP  
BS Style: A2538

### Dummy pin



Part No: ABB-\*\*-KDP  
BS Style: A2540

### Dummy socket



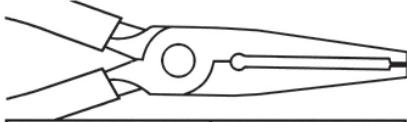
Part No: ABB-\*\*-KDS  
BS Style: A2539

# ABBMS

## Tooling for Crimp Contacts

### Insertion Tool

For use with pins and sockets



Contact size AWG (Metric)	Part number
20 (10)	ABB-IT-20
16/16S (15/15S)	ABB-IT-16
12 (25)	ABB-IT-12
8 (60/100)	Tool not required.
4 (160)	
0 (500)	

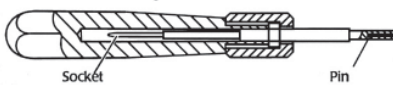
### Hand Tools

Contact size AWG (Metric)	Contact part number	Contact type	Hand crimp tool	Locator
20 (10)	* ABB-20-KPK	PIN	MS3191-A or alternative <b>M22520/1-01</b>  Locators for this tool shown in bold type	600219 <b>600325</b>
20 (10)	* ABB-20-KSK	SKT		600219 <b>600325</b>
16 S (15S)	* ABB-16S-KPK	PIN		600093 <b>600324</b>
16 S (15S)	* ABB-16S-KSK	SKT		600094 <b>600325</b>
16 (15)	* ABB-16-KPK	PIN		600091 <b>600324</b>
16 (15)	* ABB-16-KSK	SKT		600092 <b>600325</b>
12 (25)	* ABB-12-KPK	PIN		600302 <b>600324</b>
12 (25)	* ABB-12-KSK	SKT		600216 <b>600325</b>

\* AWG - Metric contacts are harmonised as the same part number.

### Extraction Tool

For use with pins and sockets



Contact size AWG (Metric)	Part number
20 (10)	ABB-ET-20
16/16S (15/15S)	ABB-ET-16
12 (25)	ABB-ET-12
8 (60/100)	Tool not required.
4 (160)	
0 (500)	

### Hydraulic Tools

Contact size AWG (Metric)	Contact part number	Contact type	Hydraulic crimp tool	Die set
8	ABB-8-KPK	PIN	ERMA type 19600	22390
8	ABB-8-SKSK	SKT		22390
(60)	ABB-60-KPK	PIN		22390
(60)	ABB-60-SKSK	SKT		22390
(100)	ABB-100-KPK	PIN		22390
(100)	ABB-100-SKSK	SKT		22390
4	ABB-4-KPK	PIN		22391
4	ABB-4-SKSK	SKT		22391
(160)	ABB-160-KPK	PIN		22391
(160)	ABB-160-SKSK	SKT		22391
0	ABB-0-KPK	PIN		22392
0	ABB-0-SKSK	SKT		22392
500	ABB-500-KPK	PIN		22392
500	ABB-500-SKSK	SKT		22392

### Socket contact guide pins

Contact size AWG (Metric)	Part number
20 (10)	ABB-20-SGP
16/16S (15/15S)	ABB-16-SGP
12 (25)	ABB-12-SGP
8 (60/100)	Not required.
4 (160)	
0 (500)	

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