

# **ABO5/6**

### Connectors

Mil-C-26482 Series 1 Style



# **Company Profile**

TT Electronics' brand AB Connectors specialises in the design, test and manufacture of high performance electronic connectors and interconnect solutions, supplying a range of global customers in aerospace, defence, rail and industrial markets.

Our broad product portfolio which includes miniature connectors, high power connectors, soldier systems, harness assemblies and box systems typically serve within key applications such as signalling, communication and power distribution.



Operating from the principle site in Abercynon, South Wales, our research and development teams have an excellent track record for developing innovative industry solutions and our engineers have extensive experience in designing a range of product configurations to meet customer specific requirements for the most demanding environments.

From plant layout to production line set-up and quick changeover processes, we offer the ideal service, with a flexible manufacturing environment and accredited facilities.

Quality systems and approvals include ISO9001 along with various product and market sector approvals including the military Mil-std 790 and mass transit IRIS certifications and environmental approval to ISO14001. As a result of these qualifications AB Connectors has been awarded several major customer approvals and accreditations.

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



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### **ABO5** Miniature Bayonet Coupling Connectors



The AB05 Series Miniature Bayonet Coupling connectors fully conform to the stringent requirements of British Standard 9522 F0017. This specification supercedes Defence Standard 59-35 (Part 1), which was itself based on the American Military Specification Mil-C-26482 Series 1 (solder).

Initially developed for aircraft applications, miniature bayonet coupling connectors are now extensively used in fighting vehicles, military communications, professional audio and general industrial markets where high reliability, miniaturisation and cost effectiveness are of prime importance.

AB05 series connectors are interchangeable and intermateable with similar connectors of British, European or American origin.

Positive coupling is indicated by an audible click and by visual alignment of the three bayonet pins with locating windows in the coupling nut. Aluminium alloy shells and a choice of surface finishes, offer a high resistance to corrosion. A choice of colour is available for occasions where the connector has to match the finish of the equipment.

Insulators are polychloroprene with an operating temperature range of between -55°C to 125°C. Contact arrangements with from 2 to 61 ways feature size 16 AWG (13 amps) or size 20 AWG (7.5 amps) solder bucket, crimp or P.C.B contacts.

Sealing against water and dust ingress is achieved between mating connectors by using a square section gasket between shells, by a peripheral seal on the insulators and by individual wire seal grommets.

In response to modern environmental considerations, AB05 connectors can be specified with alternative cadmium free surface finishes.





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### ABO5

#### **Technical information**

Shell size: Coupling: Contact Termination: Sealing:

Shell: Insulator: Grommet: Contacts: Accessories Hardware:	Aluminium alloy Polychloroprene Polychloroprene Brass Aluminium alloy
Plating Finishes	
Shell: Contacts: Accessory Hardware:	Conductive, olive drab over cadmium plate (alternatives available on request) Gold over nickel Conductive, olive drab over cadmium plate (alternatives available on request)
Technical Data	
Temperature Range:	-55°C to +125°C
Voltage at Sea Level:	<ul> <li>a) Working Voltage - d.c. or a.c. peak:</li> <li>Size 20 Contacts: 700V (Voltage rating 1)</li> <li>Size 16 Contacts: 1200V (Voltage rating 2)</li> <li>b) Proof Voltage - d.c. or a.c. peak:</li> <li>Size 20 Contacts: 2100V (Voltage rating 1)</li> <li>Size 16 Contacts: 3000V (Voltage rating 2)</li> </ul>
	The establishment of electrical safety factors when the connector is used at other than the working
Environmental Ratings:	voltage is the responsibility of the user. a) Shock severity: 981 m/s <sup>2</sup> (100g <sub>n</sub> ) for 6 milliseconds. b) Vibration: 10Hz-5000 Hz, 0.75 mm/10g <sub>n</sub> duration; 30 hours (including 1 hour at -55°C and 3 hours at 125°C). c) Acceleration: 490 m/s <sup>2</sup> (50g <sub>n</sub> )
	d) Humidity severity: 44 millibars

8 to 24, measured in sixteenths of an inch

Dynamic peripheral seal between mating shells.

Barrier, or barrier and panel seal.

Solder bucket, crimp (rubber retention), pin tails for P.C.B. applications and flexible printing wiring

Three pin bayonet

d) Humidity severity: 44 millibars

- e) Bump severity: 390 m/s<sup>2</sup> (40g<sub>n</sub>), 4000 ± 10 bumps
- f) Mechanical endurance: 500 matings
- g) High temperature:
  - Long term: 1000 hours at 85°C Short term: 250 hours at 125°C

To prevent mismating or cross-plugging, shell to shell, key to keyway orientations are offered in normal (N) or any of four alternatives (B,C,E or F). Insert orientation, permissible in Pattern 105 connectors to enable replacement of existing MIL-C-26482 types, is available by special request.

### **ABO5** Part number explanation

To illustrate the ordering procedure, part number AB05100010\*\*PF00 is shown in the table below:

Product Range:	AB05	10	00	10	**	Р	F	00
Shell Style:	<ul> <li>10 : Cable connecting receptacle</li> <li>20 : Square flange receptacle with accessory thread</li> <li>21 : Square flange receptacle without accessory thread</li> <li>31 : Jam nut receptacle without accessory thread</li> <li>32 : Jam nut receptacle with external accessory thread</li> <li>60 : Plug with knurled coupling nut</li> <li>61 : Plug with knurled coupling nut &amp; spring grounding fingers</li> <li>62 : Plug with coarse ribbed coupling nut</li> <li>63 : Plug with coarse ribbed coupling nut &amp; spring grounding fingers</li> </ul>							
Accessory Class:	<ul> <li>00 : No accessory</li> <li>27 : Strain relief clamp</li> <li>29 : Straight outlet internally screened</li> <li>30 : Straight outlet externally screened</li> <li>40 : Grommet nut</li> <li>50 : General duty adaptor (No grommet necessary)</li> <li>55 : Sealing gland (No grommet necessary)</li> <li>62 : Sealing gland with integral cable clamp</li> <li>75 : Screen and heat shrink adaptor</li> <li>2* : Screening heat shrink adaptor 90° outlet, sealing type</li> </ul>	29)						
Shell size:	08, 10, 12, 14, 16, 18, 20, 22, 24 (Increase in sixteenths of an inch)							
Contact layout:	** See pages 7-8							
Contact type:	P : Pin S : Socket							
Orientation:	N, B, C, E & F (Insert orientation available only for replacement of MIL-C-26482 t	ypes. I	Please co	nsult fac	tory)			
Modification:	<ul> <li>00 : Solder contacts</li> <li>01 : Crimp contacts. (Size 20, small bore, Ø 0.84) (Bore Ø 1.75, Size 16 only)</li> <li>02 : Crimp contacts. (Size 20, large bore, Ø 1.24) (No Size 16 contact)</li> <li>03 : P.C.B. contact 0.73 ± 0.025/2 mm.</li> <li>04 : P.C.B. contact 0.73 ± 0.025/5 mm.</li> <li>15 : No contacts</li> <li>19 : Silver cad plated shell, Gold flash on crimp contacts</li> <li>20 : Silver cad plated shell, Gold flash on solder contacts</li> <li>21 : Anodised black DEF 151 type 1</li> <li>31 : Silver plated contacts, solder style</li> <li>43 : Silver cad plated shell, Gold flash on P.C.B. contacts</li> <li>59 : Zinc Cobalt plating with Olive Drab passivate finish</li> <li>100 : Zinc Cobalt plating with Black Drab passivate finish</li> <li>(For additional modifications and special requirements please consult factory.)</li> </ul>							



### Arrangement specifications

Shell	Contact	No. of	Contac	t Size and Curro 85°C A	ent Rating (AM mbient	PS) - at	Shell	Service
Size	Arrangement	Contacts	20	16	12	C0-AX	Orientation	Rating
08	33	3	3 x 5 amps				N, E, F	1
08	04	4	4 x 5 amps				N, E, F	1
08	98	3	3 x 5 amps				N, E, F	1
10	02	2		2 x 10 amps			N, B, C, E, F	2
10	06	6	6 x 5 amps				N, B, C, E, F	1
10	07	7	7 x 5 amps				N, B, C, E, F	1
12	03	3		3 x 10 amps			N, B, C, E, F	2
12	08	8	8 x 5 amps				N, B, C, E, F	1
12	10	10	10 x 5 amps				N, B, C, E, F	1
12	14	14	14 x 5 amps				N, B, C, E, F	1
14	02	2			2 x 20 amps		N, B, C, E, F	2
14	04	4			4 x 20 amps		N, B, C, E, F	2
14	05	5		5 x 10 amps			N, B, C, E, F	2
14	12	12	8 x 5 amps	4 x 10 amps			N, B, C, E, F	1
14	15	15	14 x 5 amps	1 x 10 amps			N, B, C, E, F	1
14	19	19	19 x 5 amps				N, B, C, E, F	1
16	08	8		8 x 10 amps			N, B, C, E, F	2
16	26	26	26 x 5 amps				N, B, C, E, F	1
16	19*	19	15 x 5 amps	4 x 10 amps			N, B, C, E, F	1
16	CX	17	16 x 5 amps			1 x cable	N, B, C, E, F	1
18	11	11		11 x 10 amps			N, B, C, E, F	2
18	32	32	32 x 5 amps				N, B, C, E, F	1
20	41	41	41 x 5 amps				N, B, C, E, F	1
20	39*	39	37 x 5 amps	2 x 10 amps			N, B, C, E, F	1
22	55	55	55 x 5 amps				N, B, C, E, F	1
24	61	61	61 x 5 amps				N, B, C, E, F	1

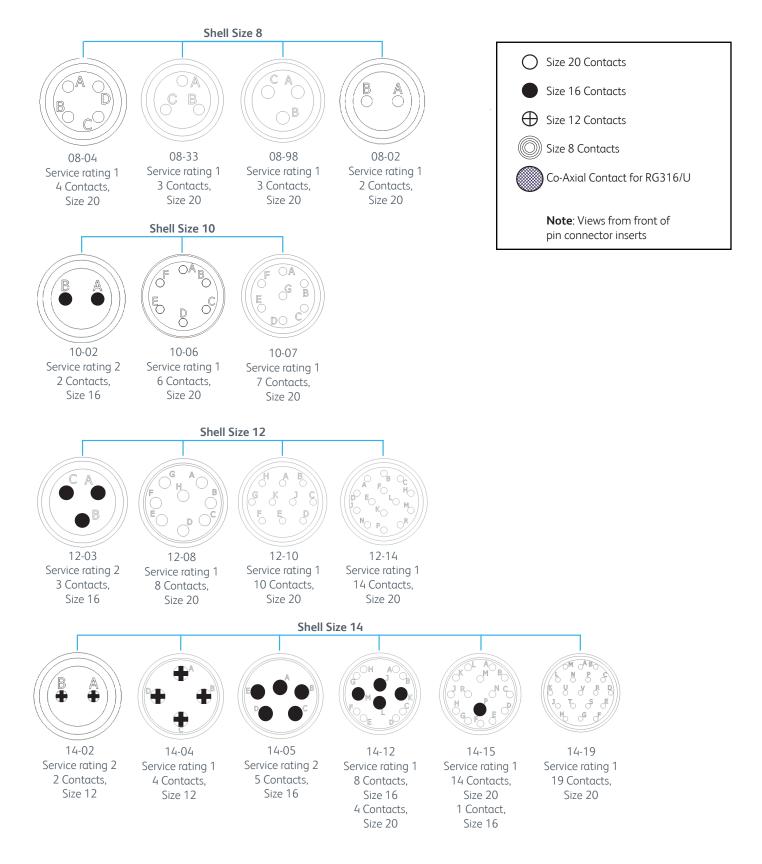
\*Consult factory for availability

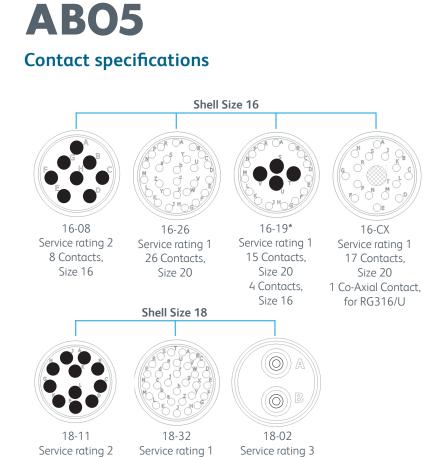
		Level mbar	(278)	)0 m )0 ft.) mbar	20,000 m (66,000 ft.) 44 mbar		
Service Rating	1	2	1	2	1	2	
Working Voltage (nominal) d.c. or a.c. peak	700	1200	550	650	330	380	
Voltage proof d.c. or a.c. peak	2100	3000	1100	1300	660	760	

Current Service Ratings	Contact Size	Max. Current	* Rated Current
	20 AWG 16 AWG	7.5A 13A	5A 10A
	12 AWG	23A	20A

\*Maximum working current per contact when all contacts are working simultaneously at 85°C ambient temperature.

### **ABO5** Contact specifications



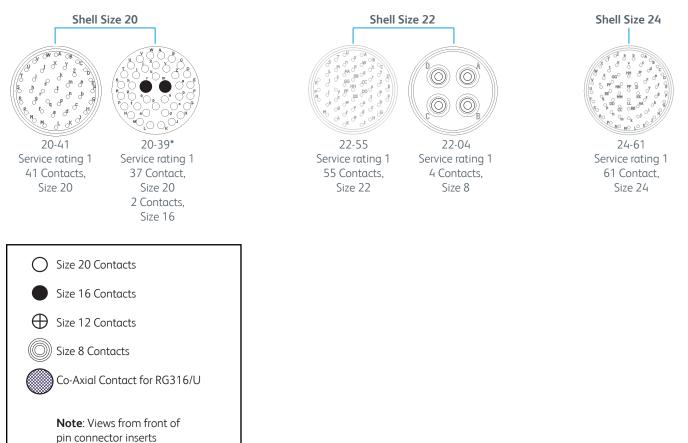


Size 20

11 Contacts,

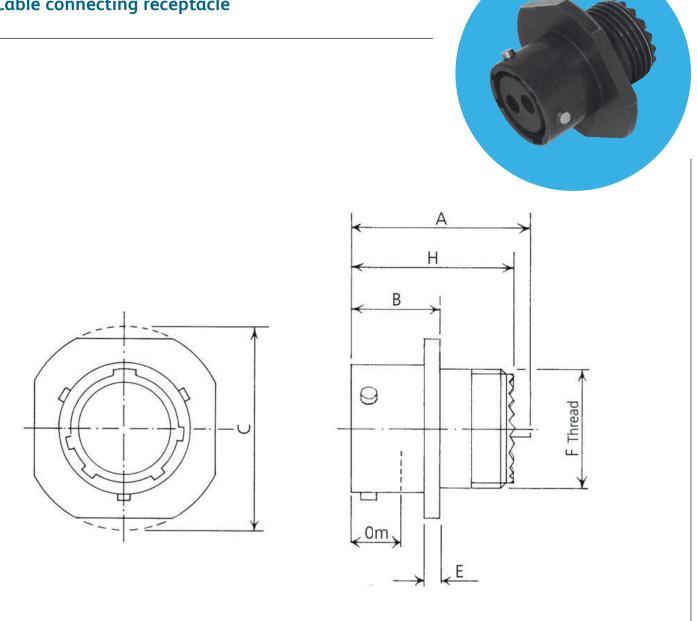
Size 16

32 Contacts, 2 Contacts, Size 8

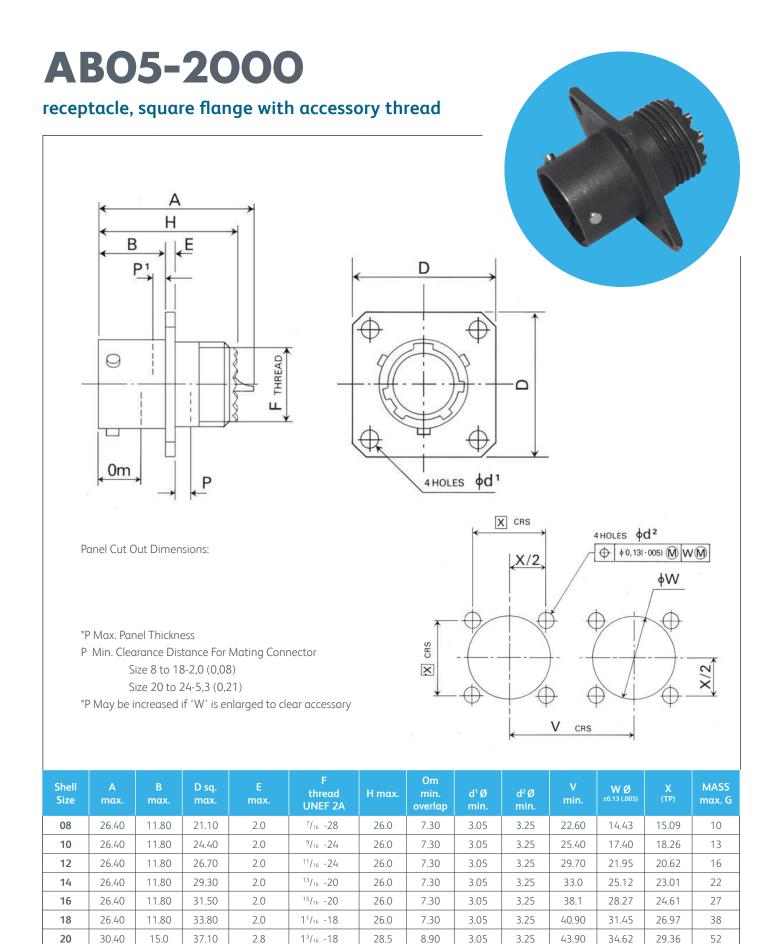


# **ABO5-1000**

#### Cable connecting receptacle



Shell Size	A max.	B max.	CØ max.	E max.	F thread UNEF 2A	H max.	Om min. overlap	MASS max. G
08	26.40	13.80	24.40	2.80	<sup>7/16</sup> -28	26.0	7.30	8
10	26.40	13.80	27.70	2.80	<sup>9/16</sup> -24	26.0	7.30	13
12	26.40	13.80	30.0	2.80	11/16 -24	26.0	7.30	17
14	26.40	13.80	32.30	2.80	13/16 -20	26.0	7.30	24
16	26.40	13.80	34.80	2.80	15/16 -20	26.0	7.30	30
18	26.40	13.80	37.10	2.80	1 <sup>1/16</sup> -18	26.0	7.30	37
20	30.40	17.80	40.40	3.30	1 <sup>3/16</sup> -18	28.50	8.90	59
22	30.40	17.80	43.40	3.30	1 <sup>5/16</sup> -18	28.50	8.90	72
24	30.40	18.60	46.70	3.30	1 <sup>7/16</sup> -18	30.0	8.90	85



Thread measurement is imperial, all other measurements in mm.

40.20

43.50

2.8

2.8

15/16 -18

17/16 -18

28.5

30.0

8.90

8.90

3.05

3.73

3.25

3.86

46.70

50.0

37.80

41.02

31.75

34.93

65

77

15.0

15.80

22

24

30.40

30.40

AB05/6

16

18

20

22

24

All measurements in mm.

26.40

26.40

30.40

30.40

30.40

11.70

11.70

14.80

14.80

15.70

31.50

33.80

37.10

40.20

43.50

2.0

2.0

2.80

2.80

2.80

21.60

21.60

27.20

27.20

28.60

38.10

40.09

43.90

46.70

50.0

28.27

31.45

34.62

37.80

41.02

24.61

26.97

29.36

31.75

34.93

3.05

3.05

3.05

3.05

3.73

3.12

3.12

3.12

3.12

3.81

7.30

7.30

8.90

8.90

8.90

8.50

8.50

8.50

8.50

8.50

2.21

2.21

5.38

5.38

5.38

30

39

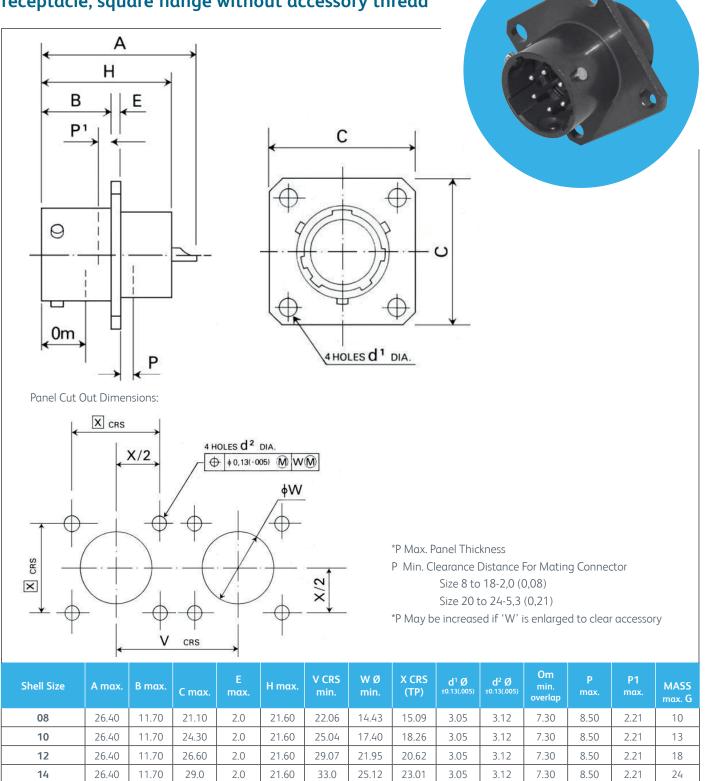
55

65

77

### AB05-2100

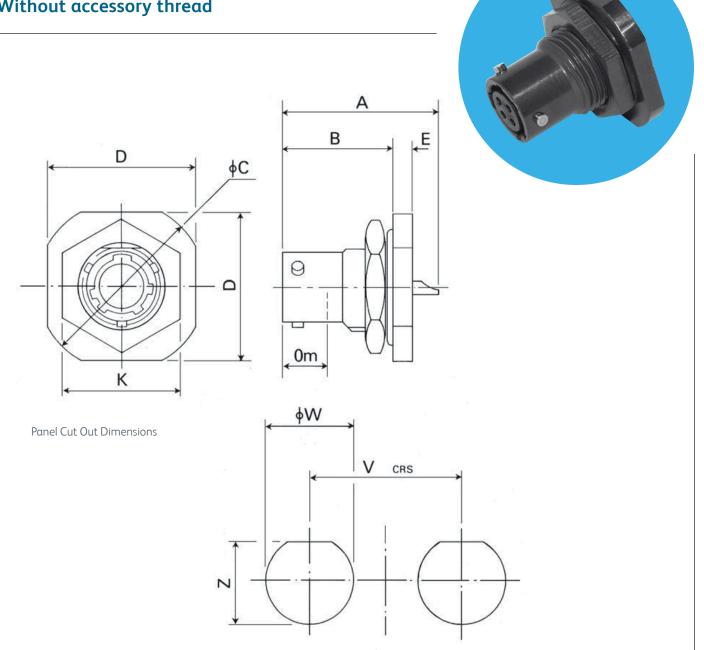
#### receptacle, square flange without accessory thread



11

# **ABO5-3100**

### Without accessory thread

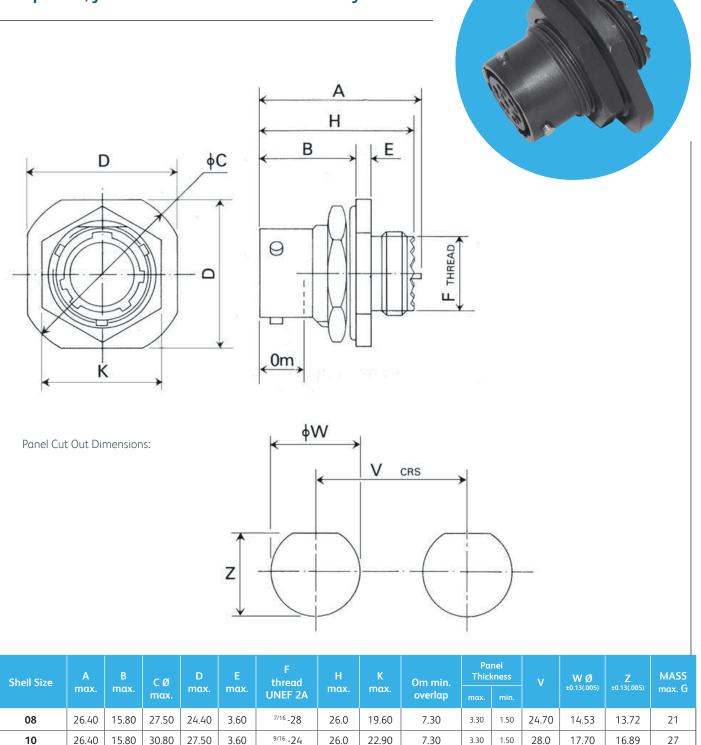


Shell Size	A max.	B max.	CØ max.	D max.	E max.	K max.	V	<b>WØ</b> ±0.13(.005)		Z ±0.13(.005)	Om min. overlap	Panel T	hickness	MASS max. G
5120	indx.	max.	indx.	max.	max.	max.				overlap	max.	min.	max. G	
08	26.40	18.60	27.50	24.40	3.60	19.60	24.70	14.53	13.72	7.30	3.30	1.50	17	
10	26.40	18.60	30.80	27.50	3.60	22.90	28.0	17.70	16.69	7.30	3.30	1.50	20	
12	26.40	18.60	35.60	32.30	3.60	27.50	32.80	22.48	21.03	7.30	3.30	1.50	24	
14	26.40	18.60	38.70	35.60	3.60	30.80	35.90	25.65	24.18	7.30	3.30	1.50	34	
16	26.40	18.60	42.0	38.70	3.60	33.80	39.20	28.83	27.33	7.30	3.30	1.50	43	
18	26.40	18.60	45.0	42.0	3.60	37.10	43.0	32.00	30.61	7.30	3.30	1.50	47	
20	30.40	23.10	49.80	46.50	4.40	40.20	47.80	35.18	33.73	8.90	6.40	1.50	63	
22	30.40	23.10	52.90	49.80	4.40	49.50	50.80	38.35	36.81	8.90	6.40	1.50	74	
24	30.40	24.10	56.20	52.90	4.40	46.50	54.20	41.53	40.03	8.90	6.40	1.50	87	

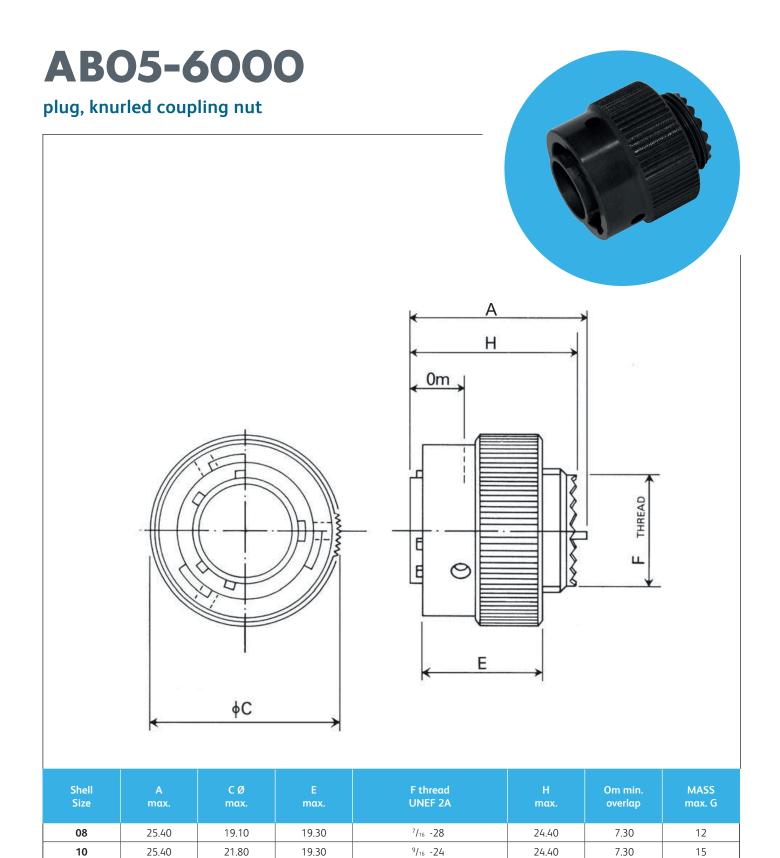
All measurements in mm.

# AB05-3200

### Receptacle, jam nut with external accessory thread



10	26.40	15.80	30.80	27.50	3.60	<sup>9/16</sup> -24	26.0	22.90	7.30	3.30	1.50	28.0	17.70	16.89	27
12	26.40	15.80	35.60	32.30	3.60	<sup>11/16</sup> -24	26.0	27.50	7.30	3.30	1.50	32.80	22.48	21.03	32
14	26.40	15.80	38.70	35.60	3.60	<sup>13/16</sup> -20	26.0	30.80	7.30	3.30	1.50	35.90	25.65	24.18	47
16	26.40	15.80	42.0	38.70	3.60	15/16 -20	26.0	33.80	7.30	3.30	1.50	39.20	28.03	27.33	58
18	26.40	15.80	45.0	42.0	3.60	1 <sup>1/16</sup> -18	26.0	37.10	7.30	3.30	1.50	43.0	32.0	30.61	62
20	30.40	19.60	49.60	46.50	3.60	1 <sup>3/16</sup> -18	28.50	40.20	8.90	6.40	1.50	47.80	35.18	33.73	84
22	30.40	19.60	52.90	49.80	4.40	1 <sup>5/16</sup> -18	28.50	43.50	8.90	6.40	1.50	50.80	38.35	36.81	98
24	30.40	20.90	56.70	52.90	4.40	1 <sup>7/16</sup> -18	30.0	46.50	8.90	6.40	1.50	54.20	41.53	40.03	116



11/16 -24

13/16 -20

15/16 -20

11/16 -18

 $1^{3}/_{16}$  -18

15/16 -18

17/16 -18

15

20

27

35

45

56

65

80

7.30

7.30

7.30

7.30

8.90

8.90

8.90

24.40

24.40

24.70

24.90

26.20

26.20

28.0

All measurements in mm.

10

12

14 16

18

20

22

24

25.40

25.40

25.40

25.40

27.80

27.80

27.80

26.40

30.0

33.30

35.60

39.10

42.20

45.20

19.30

19.30

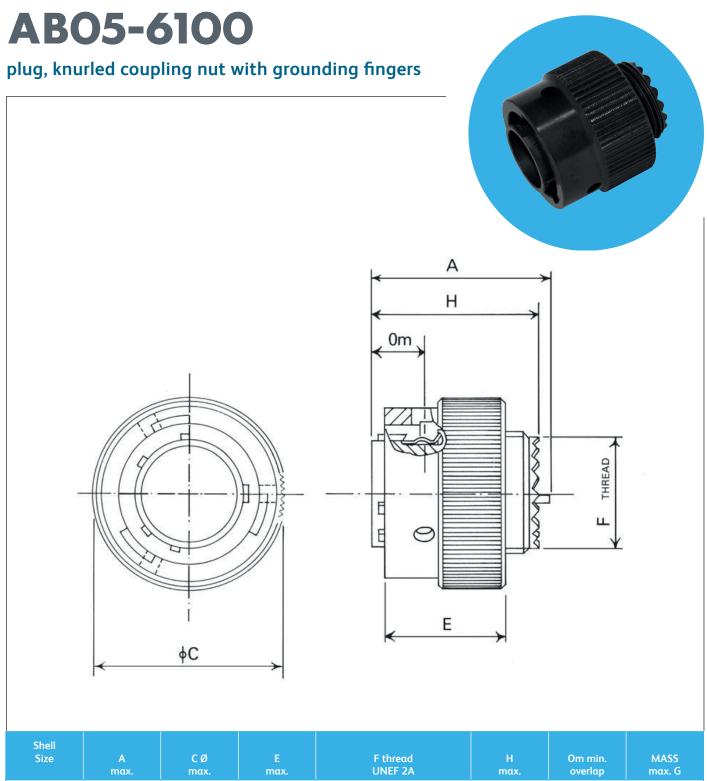
19.30

19.30

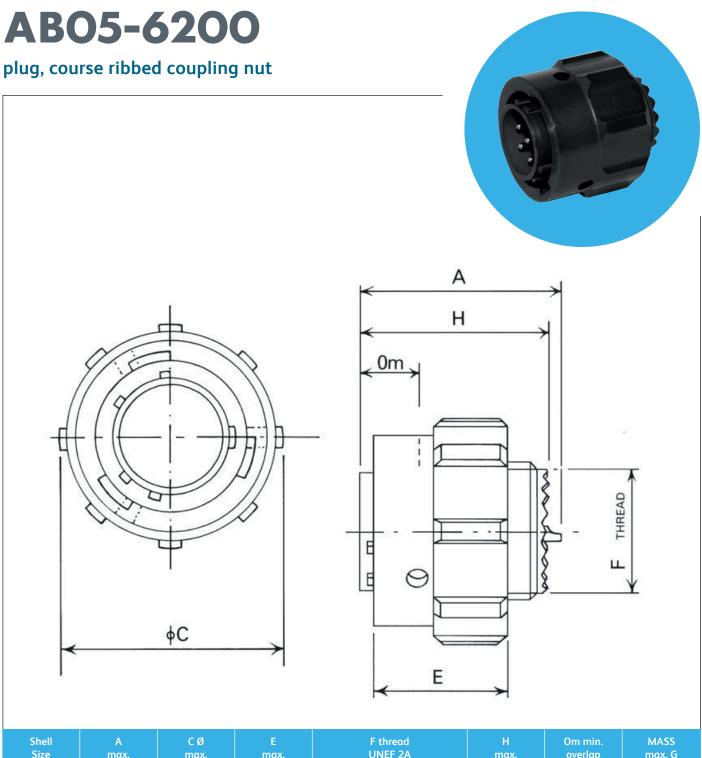
19.30

19.30

20.40



	max.	max.	max.	UNEF 2A	max.	overlap	max. G
08	25.40	19.10	19.30	<sup>7</sup> / <sub>16</sub> -28	24.40	7.30	12
10	25.40	21.80	19.30	<sup>9</sup> / <sub>16</sub> -24	24.40	7.30	15
12	25.40	26.40	19.30	<sup>11</sup> / <sub>16</sub> -24	24.40	7.30	20
14	25.40	30.0	19.30	<sup>13</sup> / <sub>16</sub> -20	24.40	7.30	27
16	25.40	33.30	19.30	<sup>15</sup> / <sub>16</sub> -20	24.70	7.30	35
18	25.40	35.60	19.30	11/16 -18	24.90	7.30	45
20	27.80	39.10	19.30	1 <sup>3</sup> / <sub>16</sub> -18	26.20	8.90	56
22	27.80	42.20	19.30	15/16 -18	26.20	8.90	65
24	27.80	45.20	20.40	17/16 -18	28.0	8.90	80



Shell Size	A max.	CØ max.	E max.	UNEF 2A	H max.	overlap	MASS max. G
08	25.40	22.10	20.40	<sup>7</sup> / <sub>16</sub> -28	24.40	7.30	13
10	25.40	24.90	20.40	<sup>9</sup> / <sub>16</sub> -24	24.40	7.30	17
12	25.40	29.30	20.40	<sup>11</sup> / <sub>16</sub> -24	24.40	7.30	22
14	25.40	32.60	20.40	<sup>13</sup> / <sub>16</sub> -20	24.40	7.30	28
16	25.40	37.60	20.40	<sup>15</sup> / <sub>16</sub> -20	24.70	7.30	38
18	25.40	40.40	20.40	11/16 -18	24.90	7.30	46
20	27.80	43.50	20.40	1 <sup>3</sup> / <sub>16</sub> -18	26.20	8.90	59
22	27.80	46.30	20.40	15/16 -18	26.20	8.90	63
24	27.80	49.60	21.40	17/16 -18	28.0	8.90	83



Shell Size	A max.	CØ max.	E max.	F thread UNEF 2A	H max.	Om min. overlap	MASS max. G
08	25.40	22.10	20.40	<sup>7</sup> / <sub>16</sub> -28	24.40	7.30	13
10	25.40	24.90	20.40	<sup>9</sup> / <sub>16</sub> -24	24.40	7.30	17
12	25.40	29.30	20.40	<sup>11</sup> / <sub>16</sub> -24	24.40	7.30	22
14	25.40	32.60	20.40	<sup>13</sup> / <sub>16</sub> -20	24.40	7.30	28
16	25.40	37.60	20.40	<sup>15</sup> / <sub>16</sub> -20	24.70	7.30	38
18	25.40	40.40	20.40	11/16 -18	24.90	7.30	46
20	27.80	43.50	20.40	1 <sup>3</sup> / <sub>16</sub> -18	26.20	8.90	59
22	27.80	46.30	20.40	15/16 -18	26.20	8.90	63
24	27.80	49.60	21.40	17/16 -18	28.0	8.90	83

### ABO5

#### accessories part number explanation

Accessories can also be ordered separately.

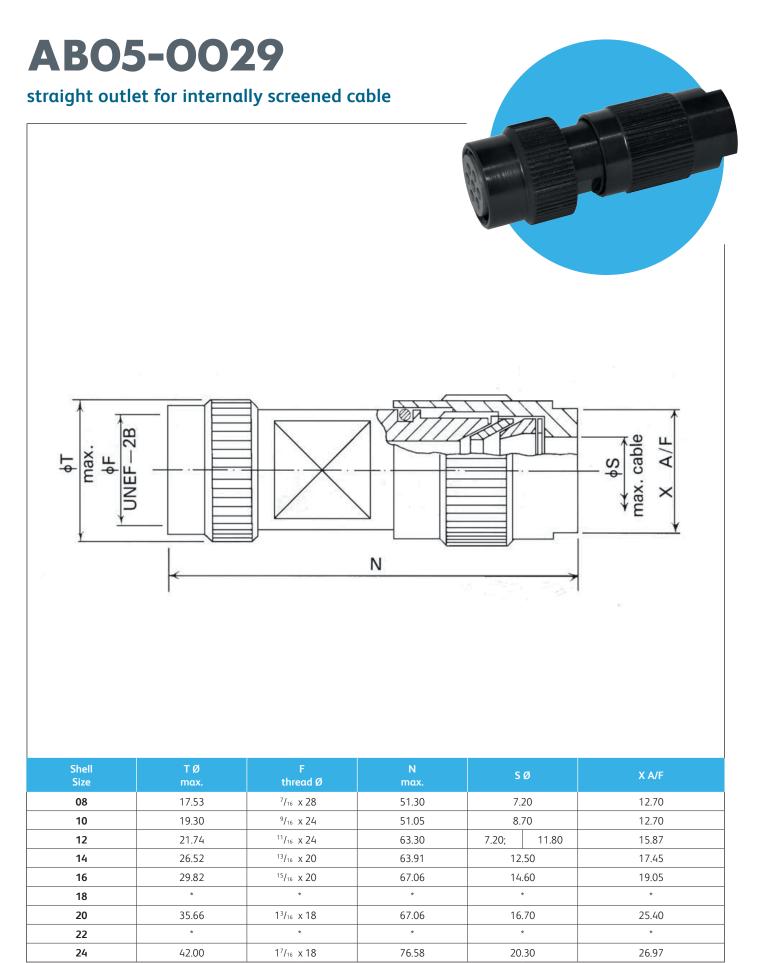
To illustrate the ordering procedure, part number AB05002710070021 is shown in the table below:

Product Range:		AB05	00	27	10	07	00	21
Shell Style:	00 No connector. Accessory only.							
Accessory Class:	<ul> <li>27 : Strain relief clamp</li> <li>29 : Straight outlet internally screened</li> <li>30 : Straight outlet externally screened</li> <li>40 : Grommet nut</li> <li>50 : General duty adaptor (no grommet necessary)</li> <li>55 : Sealing gland (no grommet necessary)</li> <li>62 : Sealing gland with integral cable clamp</li> <li>65 : Cover for square flange receptacle</li> <li>66 : Cover for jam nut receptacle</li> <li>70 : Cover for plug</li> <li>75 : Screen and heat shrink adaptor, sealing type (* Indicates Entry Size,</li> <li>3* : Screening heat shrink adaptor 90* outlet, sealing type</li> </ul>							
Accessory Size:	08, 10, 12, 14, 16, 18, 20, 22, 24 (Increase in sixteenths of an inch)							
Contact layout:	Refers to grommet where fitted. 00 No grommet supplied.							
Orientation:	00 No orientation.							
Modification:	21 Anodised black def 151 type 1. 59 : Zinc Cobalt plating with Olive Drab passivate finish 100 : Zinc Cobalt plating with Black Drab passivate finish							



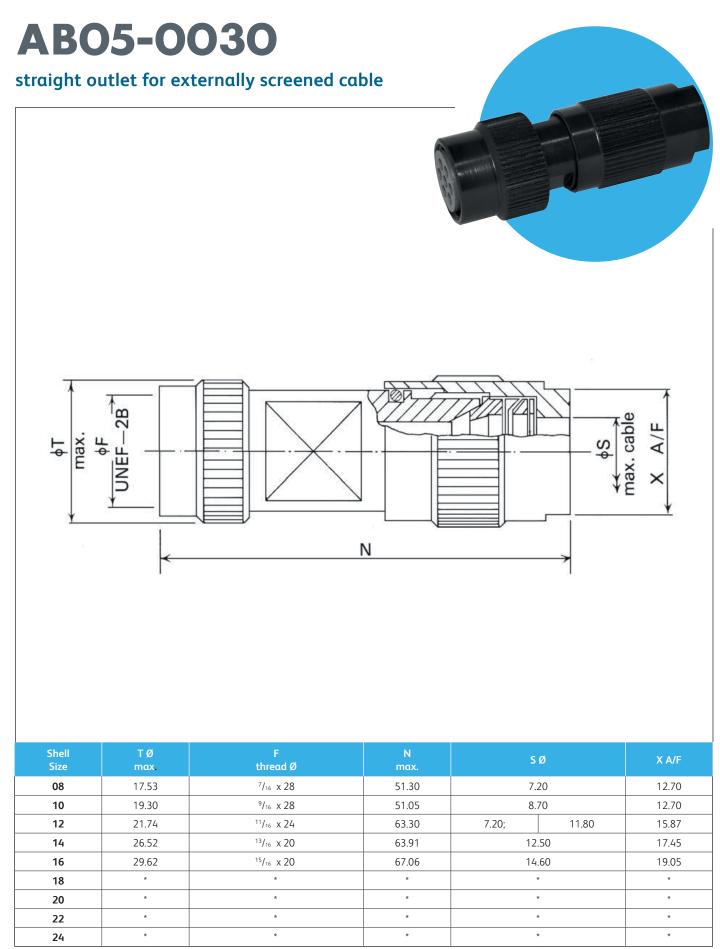
Shell Size	F thread UNEF 2B	N max.	Oa min.	R max.	T Ø max.	MASS max. G
08	<sup>7</sup> / <sub>16</sub> -28	31.40	4.80	16.50	15.20	18
10	<sup>9</sup> / <sub>16</sub> -24	31.40	4.80	16.50	18.50	19
12	<sup>11</sup> / <sub>16</sub> -24	31.40	4.80	16.50	21.80	20
14	<sup>13</sup> / <sub>16</sub> -20	31.40	4.80	16.50	25.10	22
16	<sup>15</sup> / <sub>16</sub> -20	33.50	4.80	16.50	28.20	25
18	1 <sup>1</sup> / <sub>16</sub> -18	34.30	4.80	16.50	31.50	29
20	1 <sup>3</sup> / <sub>16</sub> -18	36.80	4.80	17.20	34.50	31
22	1 <sup>5</sup> / <sub>16</sub> -18	36.80	4.80	17.20	37.60	38
24	1 <sup>7</sup> / <sub>16</sub> -18	36.80	4.80	17.20	40.90	42

For Accessory Part Number Explanation, see page 18. Thread measurement is imperial, all other measurements in mm.



For accessory part number explanation, see page 18

#### \*Please consult factory

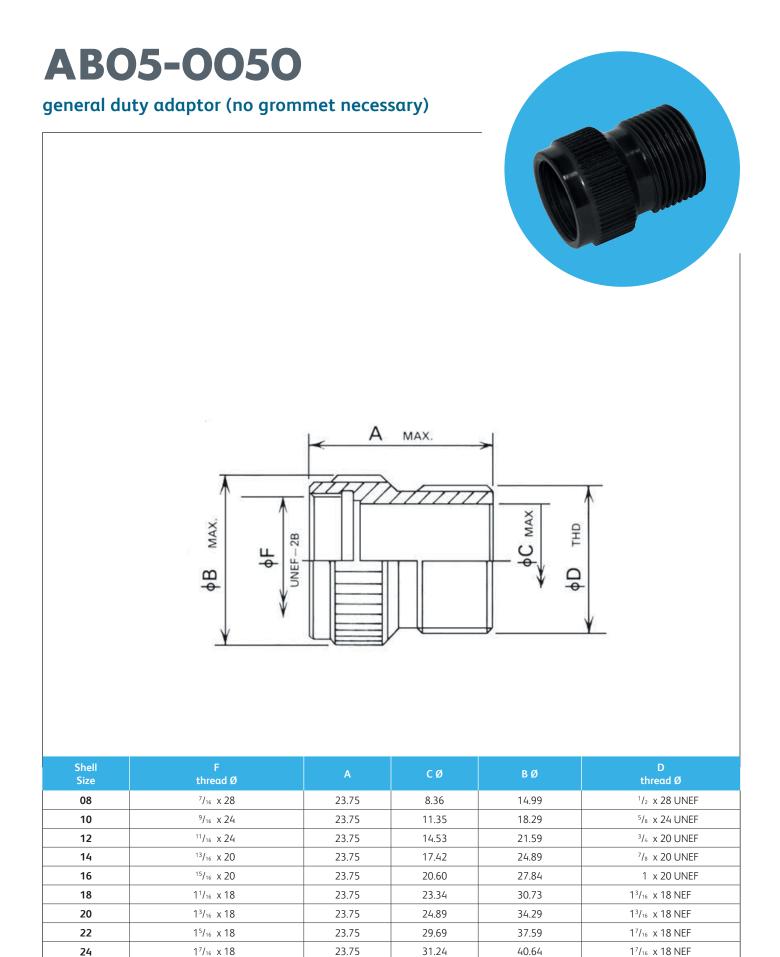


For accessory part number explanation, see page 18

#### \*Please consult factory

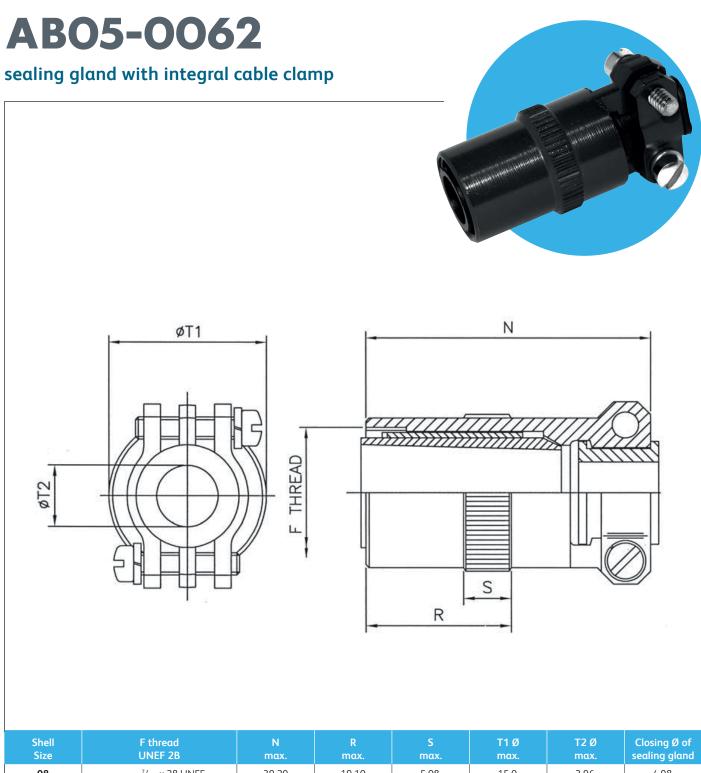


Shell Size	F thread Class 2B	A max.	Oa min. overlap	CØ max.	MASS max. G
08	<sup>7</sup> / <sub>16</sub> -28 UNEF	16.50	4.80	15.20	7
10	<sup>9</sup> / <sub>16</sub> -24 UNEF	16.50	4.80	18.50	9
12	<sup>11</sup> / <sub>16</sub> -24 UNEF	16.50	4.80	21.80	12
14	<sup>13</sup> / <sub>16</sub> -20 UNEF	16.50	4.80	25.20	14
16	<sup>15</sup> / <sub>16</sub> -20 UNEF	16.50	4.80	28.20	17
18	1 <sup>1</sup> / <sub>16</sub> -18 UNEF	16.50	4.80	31.50	21
20	1 <sup>3</sup> / <sub>16</sub> -18 UNEF	17.20	4.80	34.50	22
22	1 <sup>5</sup> / <sub>16</sub> -18 UNEF	17.20	4.80	37.50	26
24	1 <sup>7</sup> / <sub>16</sub> -18 UNEF	17.20	4.80	40.90	28





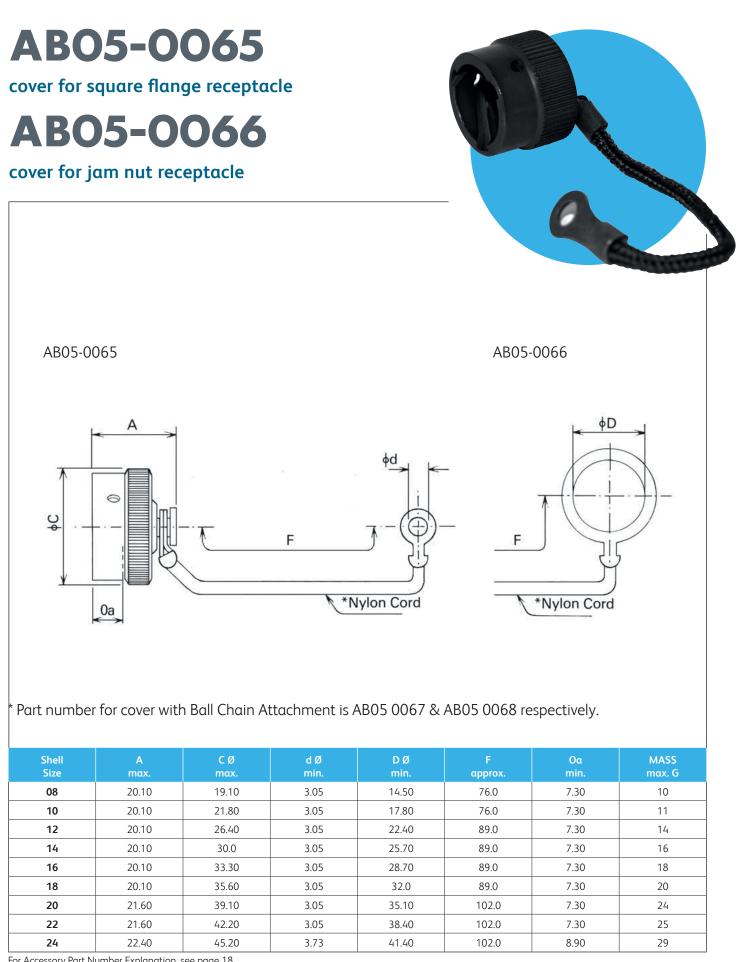
10	<sup>9</sup> / <sub>16</sub> x 24	26.80	7.92	17.37
12	<sup>11</sup> / <sub>16</sub> x 24	29.33	11.23	20.57
14	<sup>13</sup> / <sub>16</sub> x 20	33.02	13.69	23.75
16	<sup>15</sup> / <sub>16</sub> x 20	38.71	15.60	26.92
18	1 <sup>1</sup> / <sub>16</sub> x 18	43.79	17.07	30.10
20	1 <sup>3</sup> / <sub>16</sub> x 18	48.90	18.90	33.27
22	1 <sup>5</sup> / <sub>16</sub> x 18	54.23	21.44	36.45
24	1 <sup>7</sup> / <sub>16</sub> x 18	55.25	22.61	39.62



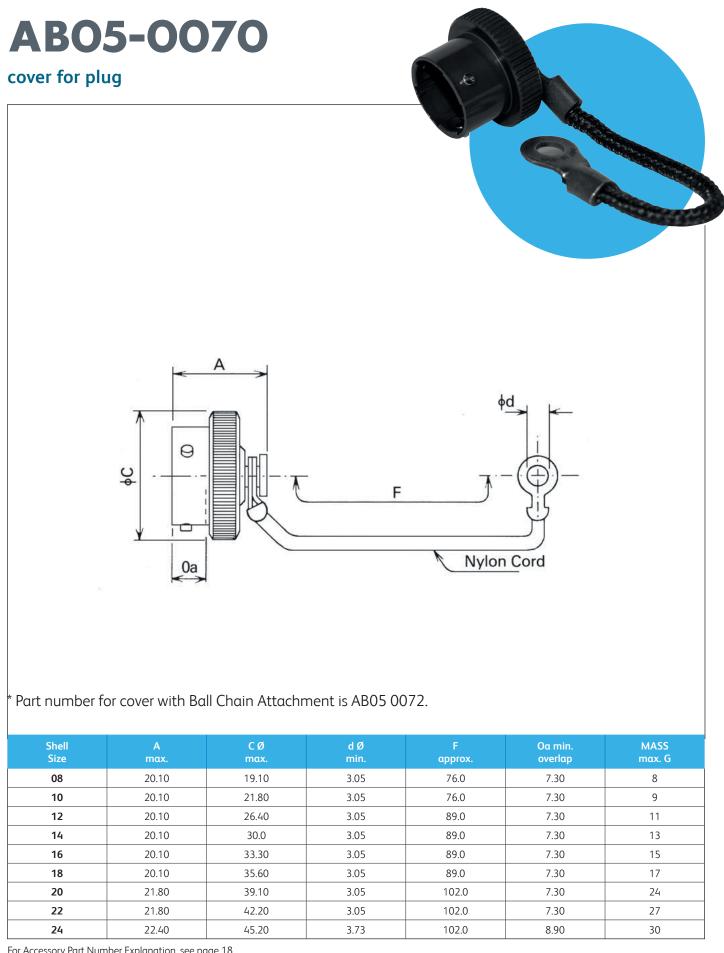
Size	UNEF 2B	max.	max.	max.	max.	max.	sealing gland
08	7/16 x 28 UNEF	39.20	19.10	5.08	15.0	3.96	4.98
10	<sup>9</sup> / <sub>16</sub> x 24 UNEF	39.20	19.10	5.08	18.30	4.93	5.06
12	<sup>11</sup> / <sub>16</sub> x 24 UNEF	41.80	20.30	5.08	21.60	8.20	9.45
14	<sup>13</sup> / <sub>16</sub> x 20 UNEF	44.70	22.90	7.62	24.90	9.68	11.30
16	<sup>15</sup> / <sub>16</sub> x 20 UNEF	50.80	28.70	8.48	27.90	12.85	14.35
18	1 <sup>1</sup> / <sub>16</sub> x 18 UNEF	55.10	27.40	8.48	30.70	16.03	15.44
20	1 <sup>3</sup> / <sub>16</sub> x 18 UNEF	66.50	27.40	8.48	34.30	16.03	14.96
22	1 <sup>5</sup> /16 x 18 UNEF	71.90	27.40	8.48	37.60	19.20	15.24
24	1 <sup>7</sup> / <sub>16</sub> x 18 UNEF	72.90	27.40	9.25	40.60	20.47	19.71

\* Please consult factory

For Accessory Part Number Explanation, see page 18.



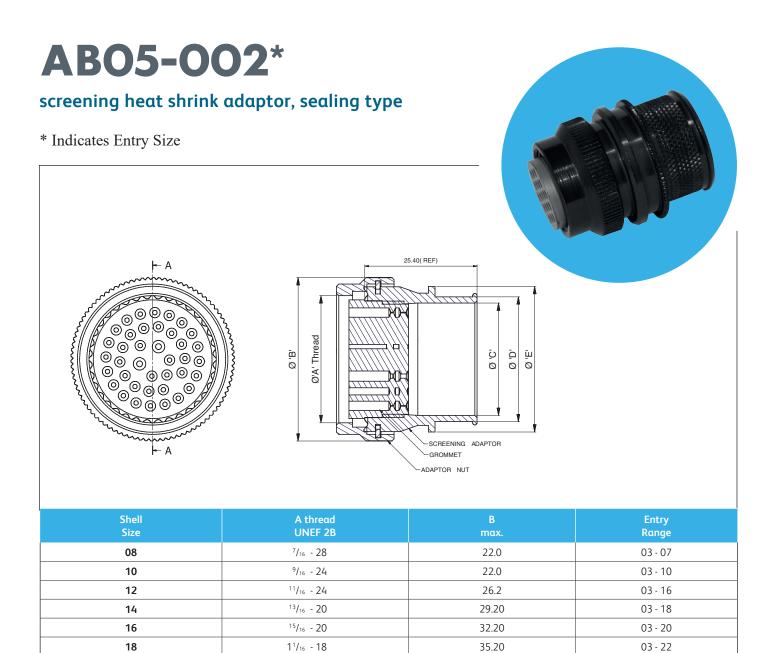
For Accessory Part Number Explanation, see page 18. All measurements in mm.



For Accessory Part Number Explanation, see page 18. All measurments in mm.



Shell Size	F thread UNEF 2B	A Ø max.	KØ max.	N Ø max.	W max.	L max.
08	<sup>7</sup> / <sub>16</sub> x 28	5.59	13.46	15.20	16.50	35.51
10	<sup>9</sup> / <sub>16</sub> x 24	8.56	15.24	18.50	16.50	35.51
12	<sup>11</sup> / <sub>16</sub> x 24	11.76	19.56	21.80	16.50	35.51
14	<sup>13</sup> / <sub>16</sub> x 20	14.66	21.29	25.20	16.50	35.51
16	<sup>15</sup> / <sub>16</sub> x 20	17.73	24.36	28.20	16.50	35.51
18	1 <sup>1</sup> / <sub>16</sub> x 18	20.32	26.42	31.50	16.50	35.51
20	1 <sup>3</sup> / <sub>16</sub> x 18	22.91	29.54	34.50	17.20	35.51
22	1 <sup>5</sup> / <sub>16</sub> x 18	26.57	32.66	37.50	17.20	35.51
24	1 <sup>7</sup> / <sub>16</sub> x 18	28.35	35.22	40.90	17.20	35.51



Entry Size	С	D Knurl	E max.
03	4.77	9.75	13.90
04	6.35	9.75	13.90
05	7.92	10.72	15.50
06	9.52	12.32	17.20
07	11.10	13.90	18.70
08	12.70	15.50	20.30
09	14.27	17.07	21.90
10	15.88	18.68	23.50
11	17.47	20.27	25.10
12	19.05	21.85	26.70
13	20.62	23.42	28.30

13/16 - 18

15/16 - 18

 $1^{7}/_{16}$  - 18

Entry Size	С	D Knurl	E max.
14	22.23	25.03	29.90
15	23.82	26.62	31.50
16	25.40	28.20	33.10
17	27.00	29.80	34.70
18	28.60	31.40	36.30
19	30.20	33.00	37.90
20	31.80	34.60	39.50
21	33.38	36.18	41.10
22	35.00	37.80	42.70
23	36.58	39.38	44.30
24	38.10	40.90	45.90

03 - 24

03 - 24

03 - 24

39.20

42.20

48.20

For Accessory Part Number Explanation, see page 18.

20

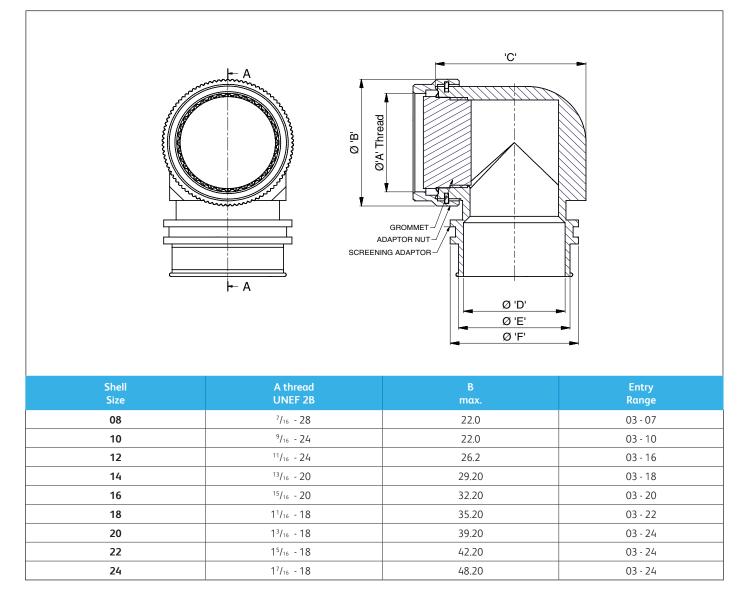
22

24

# **ABO5-003\***

#### screening heat shrink adaptor 90° outlet, sealing type

\* Indicates Entry Size



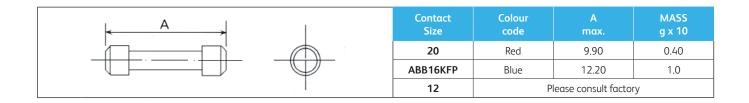
Entry Size	D	E Knurl	F max.
03	4.77	9.75	13.90
04	6.35	9.75	13.90
05	7.92	10.72	15.50
06	9.52	12.32	17.20
07	11.10	13.90	18.70
08	12.70	15.50	20.30
09	14.27	17.07	21.90
10	15.88	18.68	23.50
11	17.47	20.27	25.10
12	19.05	21.85	26.70
13	20.62	23.42	28.30

Entry Size	С	D Knurl	E max.
14	22.23	25.03	29.90
15	23.82	26.62	31.50
16	25.40	28.20	33.10
17	27.00	29.80	34.70
18	28.60	31.40	36.30
19	30.20	33.00	37.90
20	31.80	34.60	39.50
21	33.38	36.18	41.10
22	35.00	37.80	42.70
23	36.58	39.38	44.30
24	38.10	40.90	45.90

For Accessory Part Number Explanation, see page 18. Thread measurement is imperial, all other measurements in mm.

# ABO6-size-240

filler plug



### ABO5-size-382

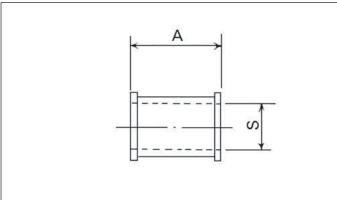
#### panel gasket

	+ + BLEND RAD	A = () () () () () () () () () ()	.005 K Ø D TYP.ON 4 ⊕Ø.002 K	5
Shell Size	А	В	Ø C +0,15 -0	DØ
08	20.98	15.08	11.12	3.42
10	25.40	18.26	14.30	3.42
12	27.78	20.62	17.47	3.42
14	30.17	23.01	20.65	3.42
16	32.53	24.61	23.82	3.42
18	34.92	26.97	27.00	3.42
20	38.10	29.36	30.17	3.42
22	41.27	31.75	33.35	3.42

All measurements in mm.

# ABO5-size-430

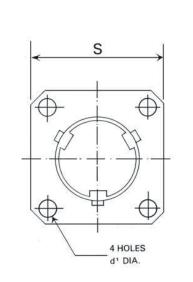
#### cable grommet

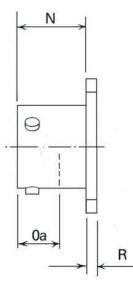


Shell Size	A max.	SØ max.	MASS max. G
08	12.70	4.10	0.70
10	12.70	5.10	0.90
12	12.70	8.40	1.30
14	12.70	9.90	2.20
16	12.70	13.0	1.90
18	14.50	16.30	2.70
20	14.50	16.30	2.70
22	14.50	19.30	4.60
24	14.50	20.60	4.60

# ABO5-2300-size

#### square flange stowage receptacle



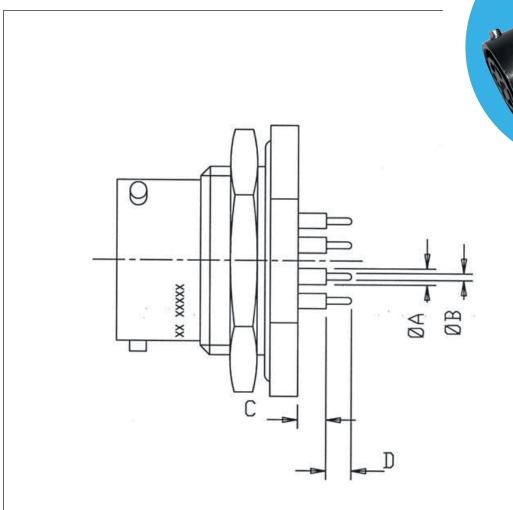




Shell Size	N max.	Οa min.	R max.	V CRS (TP)	X CRS (TP)	S max.	d¹ Ø	d² Ø
08	12.50	7.50	2.0	22.60	15.09	21.10	3.05	3.12
10	12.50	7.50	2.0	25.40	18.26	24.40	3.05	3.12
12	12.50	7.50	2.0	29.70	20.62	26.70	3.05	3.12
14	12.50	7.50	2.0	33.0	23.01	29.20	3.05	3.12
16	12.50	7.50	2.0	38.10	24.61	31.50	3.05	3.12
18	12.50	7.50	2.0	40.90	26.97	33.80	3.05	3.12
20	14.90	9.10	2.80	43.90	29.36	37.0	3.05	3.12
22	14.90	9.10	2.80	46.70	31.75	40.10	3.05	3.12
24	15.70	9.10	2.80	50.0	34.93	43.40	3.73	3.81

All measurements in mm.

### **ABO5** printed circuit board contacts

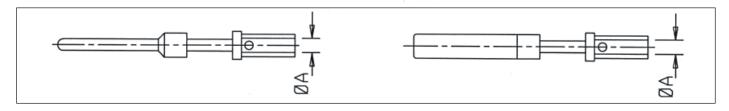


Modification Code	Shell Size	ØA	Ø B	С	D <sup>±0.10</sup>
03	08 - 18	1.50 ±0.05	0.74 ±0.03	3.05/1.52	2.00
03	20 - 22	1.50 ±0.05	0.74 ±0.03	2.84/1.32	2.00
03	24	1.50 ±0.05	0.74 <sup>±0.03</sup>	1.93/0.48	2.00
04	08 - 18	1.50 ±0.05	0.74 ±0.03	3.05/1.52	5.00
04	20 - 22	1.50 ±0.05	0.74 ±0.03	2.84/1.32	5.00
04	24	1.50 ±0.05	0.74 ±0.03	1.93/0.48	5.00
05*	08 - 18	2.03 ±0.10	1.02 ±0.10	3.81/2.28	2.29
06*	08 - 18	2.03 ±0.10	0.69 ±0.03	3.81/2.28	2.29
46*	08 - 18	1.90 ±0.20	0.77 ±0.17	1.03/-0.50	2.50
62*	08 - 18	1.90 <sup>±0.20</sup>	0.80 <sup>±0.10</sup>	4.45/2.93	3.00
89*	08 - 18	1.50 <sup>±0.05</sup>	0.74 <sup>±0.03</sup>	3.05/1.52	3.00
91*	08 - 18	1.50 ±0.05	0.74 ±0.03	2.92/1.39	6.35
96*	08 - 18	2.03 ±0.10	0.69 ±0.03	2.55/1.02	5.00

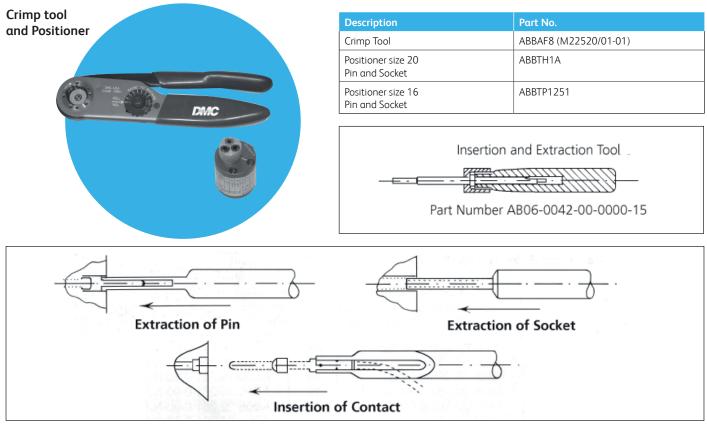
\* Please consult factory

N.B. Dimensions shown above are for AB05 3100 Style connectors only. For other styles please consult factory. All measurements

#### crimp contacts and assembly tools



Contact Size AWG	AB Part Number	Pin / Socket	АØ	Conductor Sizes AWG	Shell Sizes
20	AB05-20-110GM	Pin	0.84	28, 26, 24, 22	08 - 18
20	AB05-20-111GM	Pin	0.84	28, 26, 24, 22	20 - 24
16	AB05-16-112GM	Pin	1.75	16	08 - 18
20	AB05-20-112GM	Pin	1.24	20	08 - 18
20	AB05-20-113GM	Pin	1.24	20	20 - 24
20	AB05-20-114GM	Pin	1.35	18	08 - 18
20	AB05-20-115GM	Pin	1.35	18	20 - 24
20	AB05-151-20	Socket	1.83	14	08 - 18
20	AB05-103-20	Socket	0.84	28, 26, 24, 22	08 - 18
20	AB05-152-20	Socket	0.84	28, 26, 24, 22	20 - 24
16	AB05-103-16	Socket	1.75	16	08 - 18
20	AB05-104-20	Socket	1.24	20	08 - 18
20	AB05-153-20	Socket	1.24	20	20 - 24
20	AB05-154-20	Socket	1.35	18	20 - 24
20	AB05-156-20	Socket	1.35	18	08 - 18



All measurements in mm.

# ABO5 - 0029

### assembly procedure for straight outlets

#### AB05-0029 Internally Screened Cable

#### Type C

 Strip PVC sheath back to Dim A, this will expose the Braid which is to be trimmed to within 19.8 mm (0.75") of PVC Sheath and the remainder folded back. (Fig. 1).

 Size
 Dimension A

 08
 34.93 (1.375)

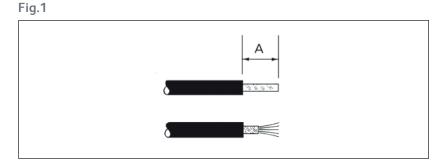
 10
 36.51 (1.437)

 12-14
 41.27 (1.625)

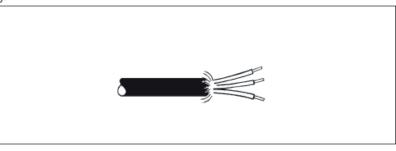
 16-20
 44-45 (1.750)

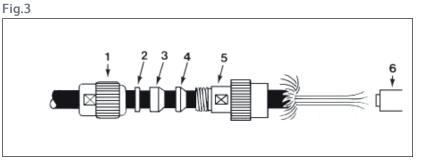
 22-24
 49.21 (1.937)

- 2. Strip 5.3 mm (0.210") to 6.1 mm (0.240") of insulation from each wire and Tin Ends. (Fig. 2).
- Slide onto the cable (1) Nut; (2) Washer;
   (3) Gasket; (4) Braid Clamp; (5) Clamp Body;
   (6) Grommet. (Fig. 3).
- Insert individual wires into Grommet. Slide Grommet back as far as possible. Insert Tinned Ends into Contacts and solder. Slide Grommet over Contacts pushing firmly against rear of connector insert. (Fig. 4).
- Screw clamp body onto Connector. Fold Braid at right angles to cable and slide forward Braid Clamp. Smooth down and trim surplus Braid. Slide up Gasket Washer and Screw on Nut. (Fig. 5)

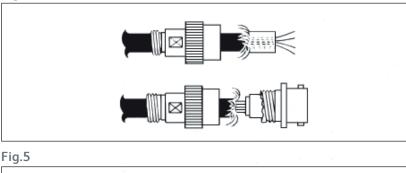


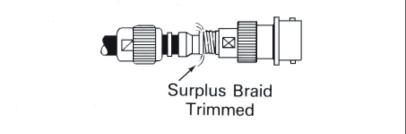












# ABO5 - 0030

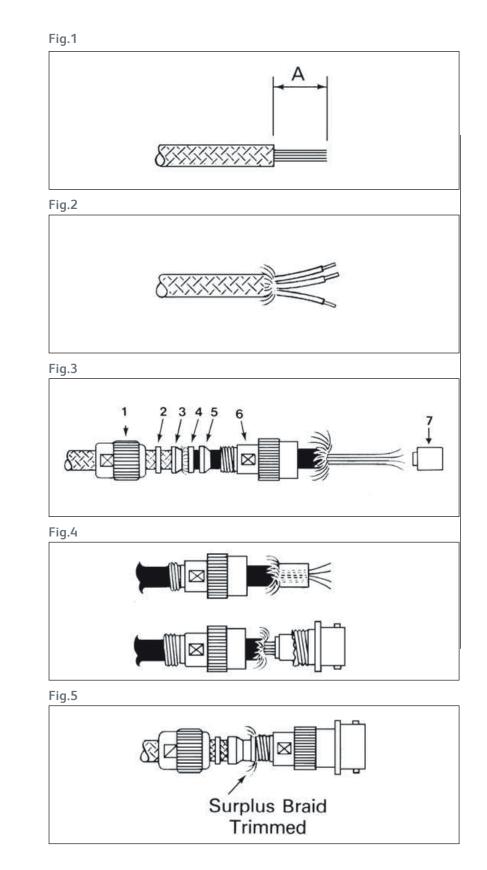
### assembly procedure for straight outlets

#### AB05-0030 Externally Screened Cable

#### Type B and Q

- Strip outer Braid and Internal PVC Sheath of Cable back to Dim A (Fig 1).
  - Size
     Dimension A

     08
     33.32 (1.312)
  - 10 34.93 (1.375)
  - 12-14 39.70 (1.563)
  - 16-20 42.85 (1.687)
  - 22-24 49.21 (1.875)
- Strip 5.3 mm (0.210) to 6.1 mm (0.240) of insulation from each wire and Tin Ends. (Fig. 2).
- Slide onto the cable (1) Nut; (2) Washer;
   (3) Male Briad Clamp. Pull back Braid as far as possible. Slide on item (4) Female Braid Clamp; (5) Gasket; (6) Clamp Body (7) Grommet. (Fig. 3).
- Insert individual wires into Grommet. Slide Grommet back as far as possible. Insert Tinned Ends into Contacts and solder. Slide Grommet over Contacts pushing firmly against rear of connector insert. (Fig. 4).
- Screw clamp body onto Connector. Slide up Gasket and Female Braid Clamp. Push Braid up to Female Braid Clamp. Fold end of Braid at right angles. Push up Male Braid Clamp and smooth down and trim surplus Braid. Slide up Washer and Screw on Nut. (Fig. 5).



# ABO5 10-76

### **Miniature Bayonet Coupling Connectors**

The AB05 10-76 Miniature Bayonet Coupling Connectors have been specifically designed to be backward compatible with the Clansman 10-07.

AB05 10-76 has a plating finish of zinc cobalt olive drab a benefit of this is a high resistance to corrosion which has been dictated on Bowman in the UK.

Shell size 10 is used throughout the connector range and contact arrangements consist only of 7 size 20 contacts and 6 size 22 contacts. Insulators are thermoplastic with an operating temperature range of -55°C to 125°C.

Shells are keyed to prevent miss mating between shells of different orientations. Designation F is for Radio Audio, N for Data and E for Ethernet. Other orientations available are B and C.

Contents	Ρα	age
AB05 10-76 Miniature Bayonet Coupling Connectors Technical Information Part No. Explanation	37 38 39	-
Receptacles;-76 Miniature Bayonet Coupling Connectors		
AB06 3100 10 76 SF 152: receptacle, panel mounting with PC printed circuit ter AB06 3100 10 76 SF 221: receptacle, panel cut out with solder contacts	rminals 41 42	
Plugs;		
AB05 5700 10 76 PF 217: plug, knurled coupling nut AB05 8500 10 76 PC 220: plug, with over moulding back shell and solder contac	40 cts 40	-
AB06 Audio Miniature Bayonet Lock Connectors Range	43	3-61
Safety Information	62	2



### technical information

Mechanical	Eastures
Mechanica	reutures

Shell size: Coupling: Contact Termination: Sealing:

#### Materials

Shell: Insulator: Contacts:

#### Plating Finishes

Shell: Contacts:

#### Technical Data

Temperature Range: Environmental Ratings: 10, measured in sixteenths of an inchThree pin bayonetSolder bucket, pin tails for P.C.B. applications.Barrier, or barrier and panel sealDynamic peripheral seal between mating shells

Aluminium alloy Thermoplastic Brass

Zinc cobalt olive drab Gold over nickel

#### -55°C to +125°C

a) Shock severity: 981 m/s<sup>2</sup> (100g<sub>n</sub>) for 6 milliseconds.

- b) Vibration: 10Hz-5000 Hz, 0.75 mm/10g, duration; 30 hours (including
- 1 hour at -55°C and 3 hours at 125°C).
- c) Acceleration: 490 m/s<sup>2</sup> (50g<sub>n</sub>)
- d) Humidity severity: 44 millibars
- e) Bump severity: 390 m/s<sup>2</sup> (40g<sub>n</sub>), 4000 ± 10 bumps
- f) Mechanical endurance: 500 matings
- g) High temperature:

Long term: 1000 hours at 85°C Short term: 250 hours at 125°C

To prevent mismating or cross-plugging, shell to shell, key to keyway orientations are offered in normal (N) or any of four alternatives (B,C,E or F). Insert orientation, permissible in Pattern 105 connectors to enable replacement of existing MIL-C-26482 types, is available by special request.

Orientation

# ABO5 10-76

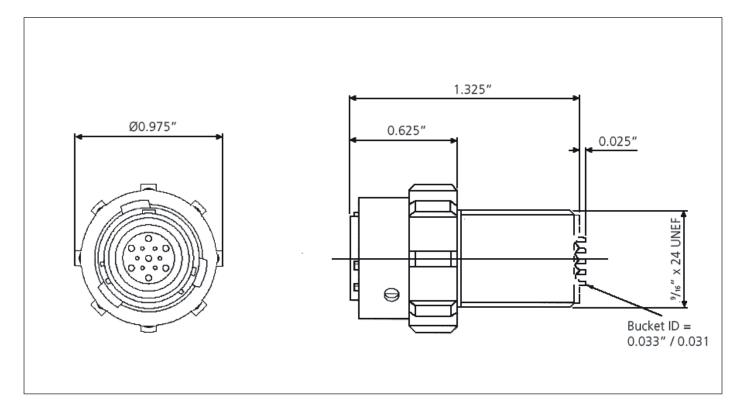
### part number explanation

To illustrate the ordering procedure, part number AB0557001076PF217 is shown in the table below:

Product Range:	AB**	57	00	10	76	Р	F	217
Shell Style:	AB06 31 : Jam Receptacle (no accessory thread) AB05 57 : Plug with coarse ribbed coupling nut and extended accessory threa AB05 85 : Plug with coarse ribbed coupling nut spring grounding fingers extended for over moulding	d						
Accessory Class:	00 : No accessory							
Shell size:	10 (Increase in sixteenths of an inch)							
Contact layout:	76							
Contact type:	P : Pin S : Socket							
Orientation:	N, B, C, E & F (Insert orientation available only for replacement of MIL-C-26482	2 types.	Please co	onsult fo	actory)			
Modification:	152 : Round flange shell. Rounded jam nut. 217 : Contact bucket. Heights all the same. 220 : Contact bucket. At different heights. 221 : Round flange shell hex.							

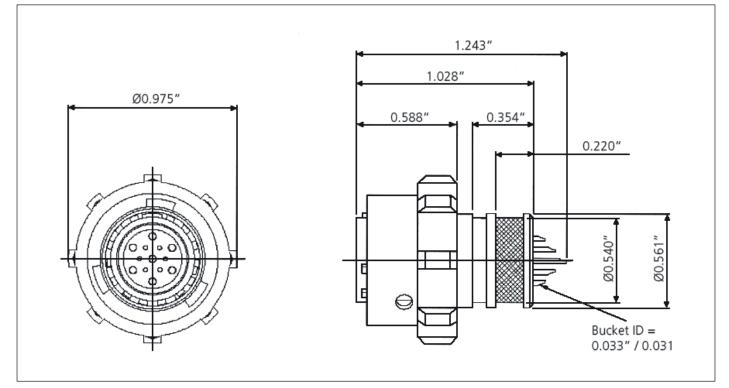
# AB05-5700-10-76-PF-217

plug, extended rear shell with solder contacts



# AB05-8500-10-76-PC-220

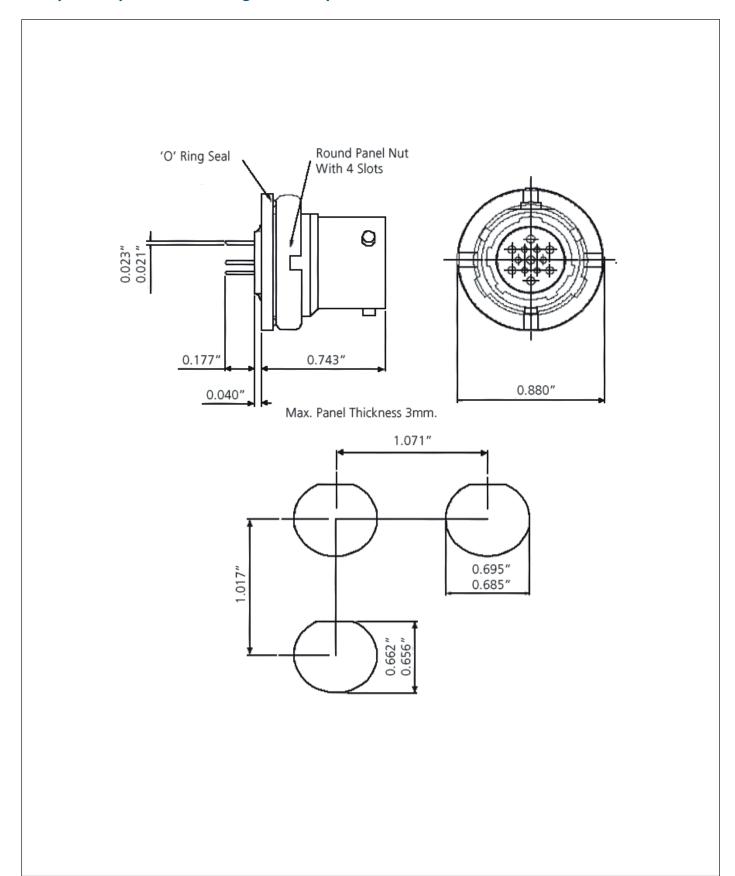
### plug, with over moulding back shell and solder contacts



All measurements in mm.

# ABO6-3100-10-76-SF-152

receptacle, panel mounting with PC printed circuit terminals

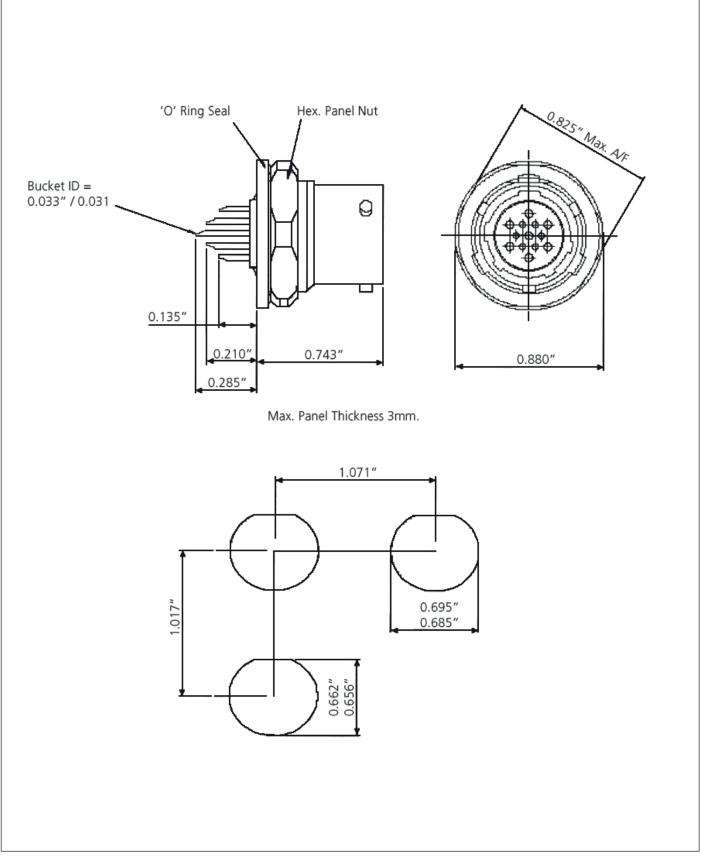


41

All measurements in mm.

# ABO6-3100-10-76-SF-221

### receptacle, panel cut out detail with solder contacts

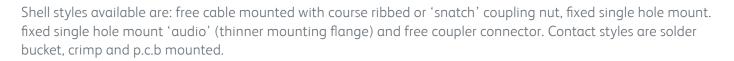


# **ABO6**

### Audio Miniature Bayonet Lock Connectors

AB06 connectors are a development of the established AB05 (Patt, 105) range and are particularly suitable for tinsel cordage applications in audio equipment.

Designed to requirements of the Royal Signals and Radar Establishment, AB06 connectors are available in shell sizes 8, 10 and 12, and offer all performance characteristics and design features of AB05 connectors. An alternative 'snatch' type coupling nut for quick release applications is available in shell size 10.



Accessories include a straight outlet with a polychloroprene sleeve for tinsel cordage, 90° outlets and protective caps.



### Audio Miniature Bayonet Lock Connectors

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## ABO6 technical information

#### **Mechanical Features**

Shell Size: Coupling: Contact Types: Sealing: Polarization: Contact Arrangements:

#### Materia

Shell: Insulator: Contacts: Accessories Hardware:

#### **Plating Finishes**

Shell: Insulator: Contacts: Accessories Hardware:

#### Technical Data

Temperature Range: Voltage Rating:

#### 8 to 12

Three pin bayonet (optional 'snatch' in size 10) Solder bucket, crimp, pin tails for P.C.B. applications and flexible printing wiring. Barrier, or barrier and panel seal. Dynamic peripheral seal between mating shells. Insulator or key/keyway 4 available, 2 to 10 contact

Aluminium alloy Polychloroprene Copper alloy Aluminium alloy

Zinc cobalt olive drab Polychloroprene Copper alloy Aluminium alloy

#### -55°C to +125°C

a) Working Voltage - d.c. or a.c. peak: Size 20 Contacts: 700V (Voltage rating 1) Size 16 Contacts: 1200V (Voltage rating 2)
b) Proof Voltage - d.c. or a.c. peak: Size 20 Contacts: 700V (Voltage rating 1) Size 16 Contacts: 3000V (Voltage rating 2)
The establishment of electrical safety factors when the connector is used at other than the working voltage is the responsibility of the user.

#### Electrical Data:

Max. current between 7.5 and 13 amps per contact

# ABO6

### part number explanation

To illustrate the ordering procedure, part number AB0662101007PN00 is shown in the table below:

Product Range:		AB06	62	10	10	07	Р	Ν	00
Shell Style:	<ul> <li>10 : Coupler connector with accessory thread</li> <li>31 : Fixed connector single hole mounting</li> <li>32 : Fixed connector single hole mounting with accessory thread.</li> <li>33 : Fixed audio connector (thinner mounting flange)</li> <li>34 : Fixed connector single hole mounting (modified flange)</li> <li>62 : Free connector with coarse ribbed coupling nut</li> <li>64 : Free connector 'snatch' release coupling nut</li> </ul>								
Accessory Class:	10 : 90° angled outlet 11 : 90° angled outlet (non-standard, #10 accepts #12 cable) 20 : Straight outlet, large bore short boot 21 : Straight outlet, small bore short boot 22 : Straight outlet, small bore long boot								
Shell size:	08, 10, 12								
Contact layout:	See page 47								
Contact type: Orientation:	P : Pin S : Socket N, B, C, E, F								
Modification:	(For modifications and special requirements please consult factory.)								1

# **ABO6**

### arrangement spec

Thread measurement is imperial, all other measurements in mm.

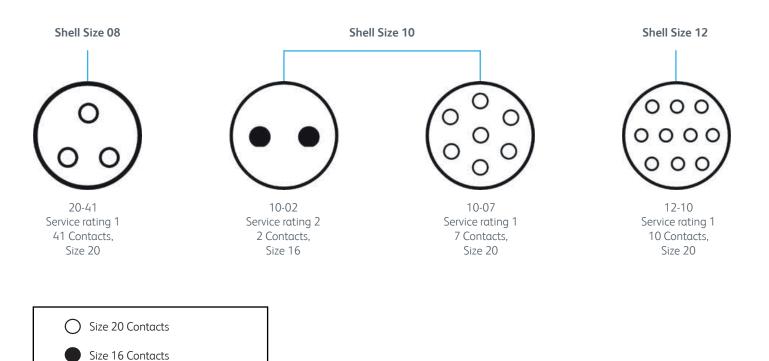
		Level 3 mbar	(278	00 m 00 ft.) mbar	(66,	000 m 000 ft) mbar
Service Rating	1	2	1 2		1	2
Working Voltage (nominal) d.c. or a.c. peak	700	1200	550	650	330	380
Voltage Proof d.c. or a.c. peak	2100	3000	1100	1300	660	760

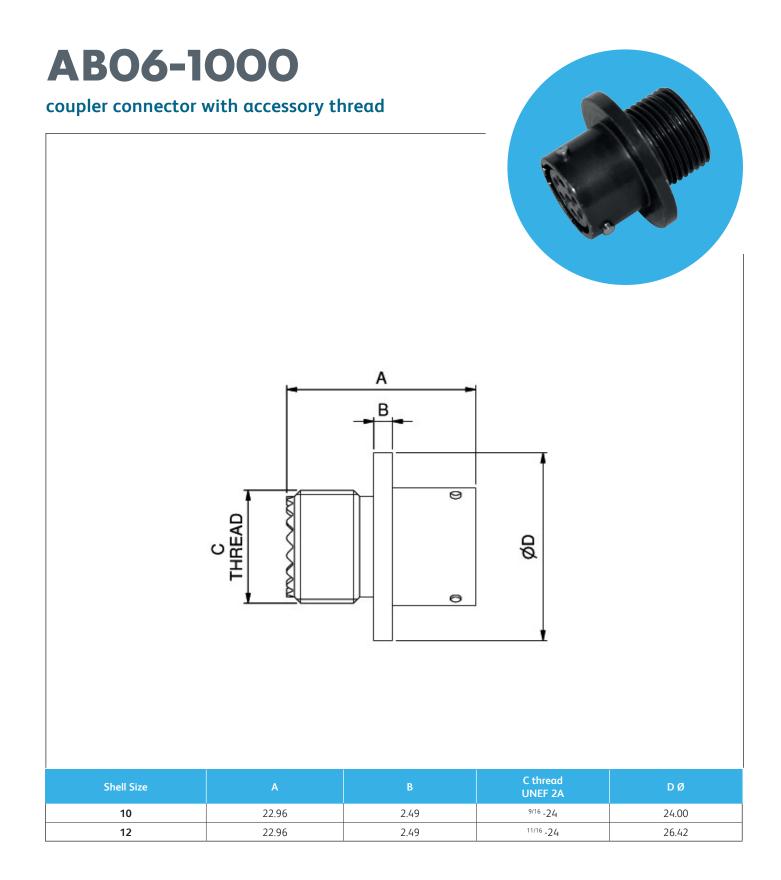
Current Service Ratings	Contact Size	Max. Current	* Rated Current	*Maxin
	20 AWG 16 AWG	7.5A 13A	5A 10A	per cor are wo at 85°(

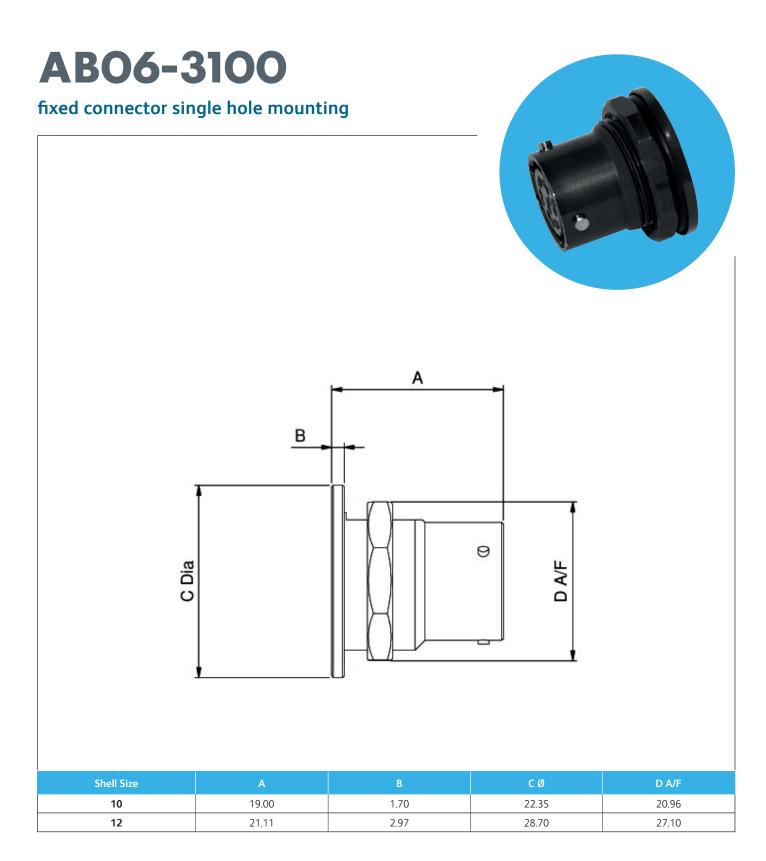
\*Maximum working current per contact when all contacts are working simultaneously at 85°C ambient temperature.

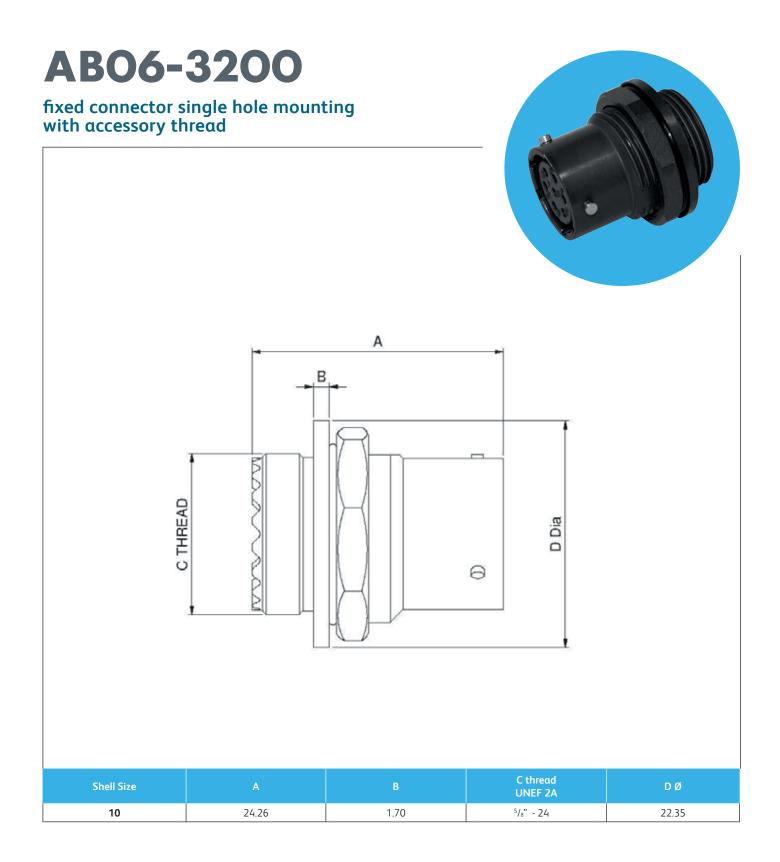
Contact Arrangement<br/>Alternative OrientationsContact Arrangement<br/>08-33Available Orientations08-33N, E, F10-02N, B, C, E, F10-07N, B, C, E, F12-10N, B, C, E, F

## ABO6 contact arrangements















Shell Size	А	B thread Ø	с	DØ
8	21.92	7/16 x 28 UNEF	<sup>7</sup> / <sub>16</sub> x 28 UNEF 23.27	
10	21.92	9/16 x 24 UNEF	23.27	22.35
12	21.92	<sup>11</sup> / <sub>16</sub> x 24 UNEF	23.27	28.58

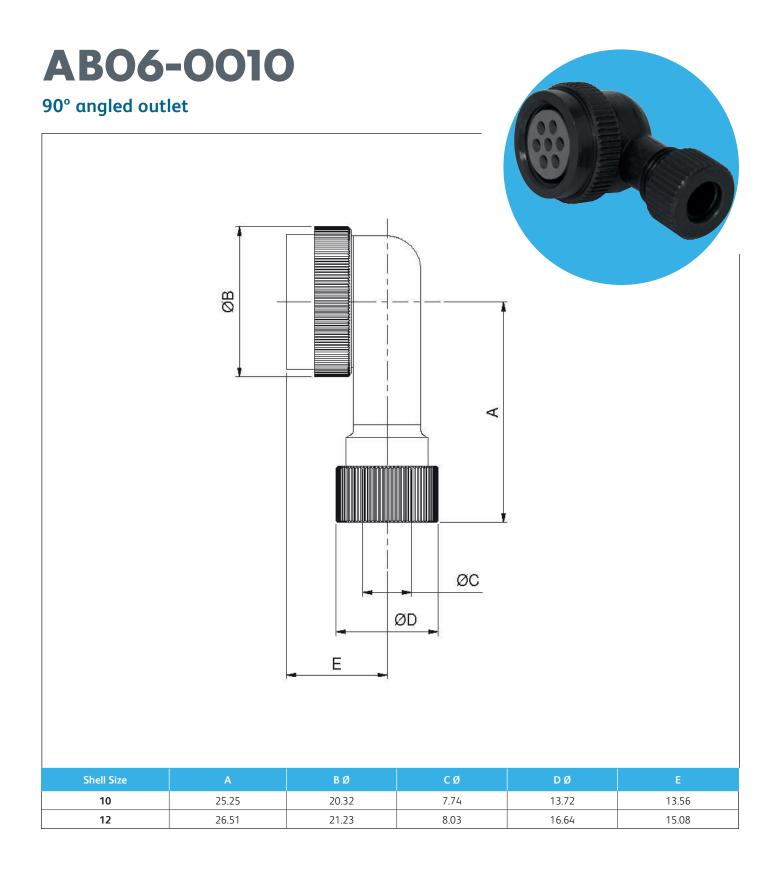


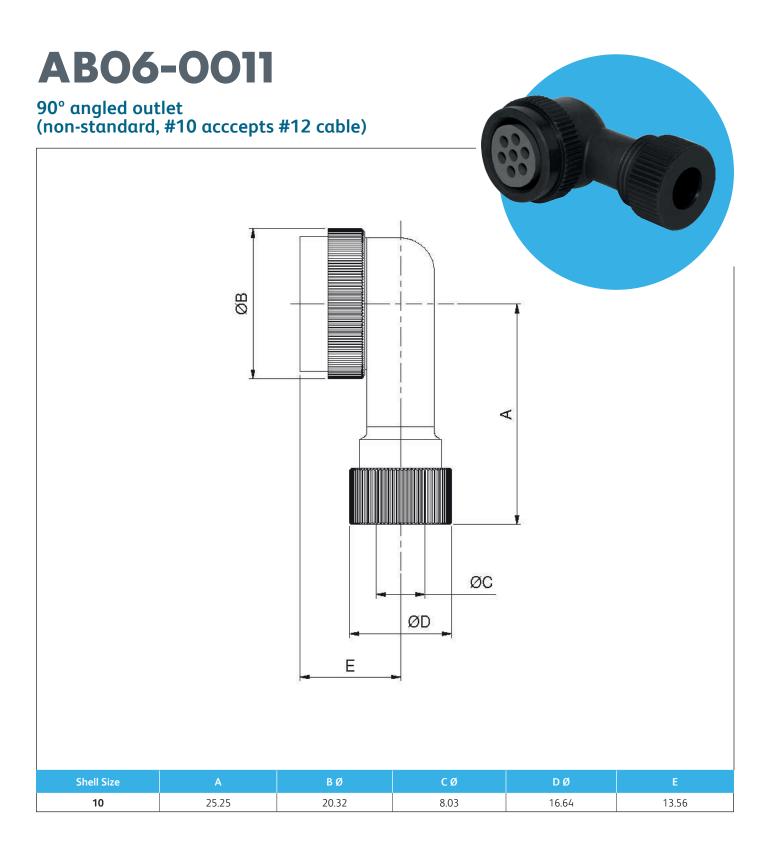
## **AB06**

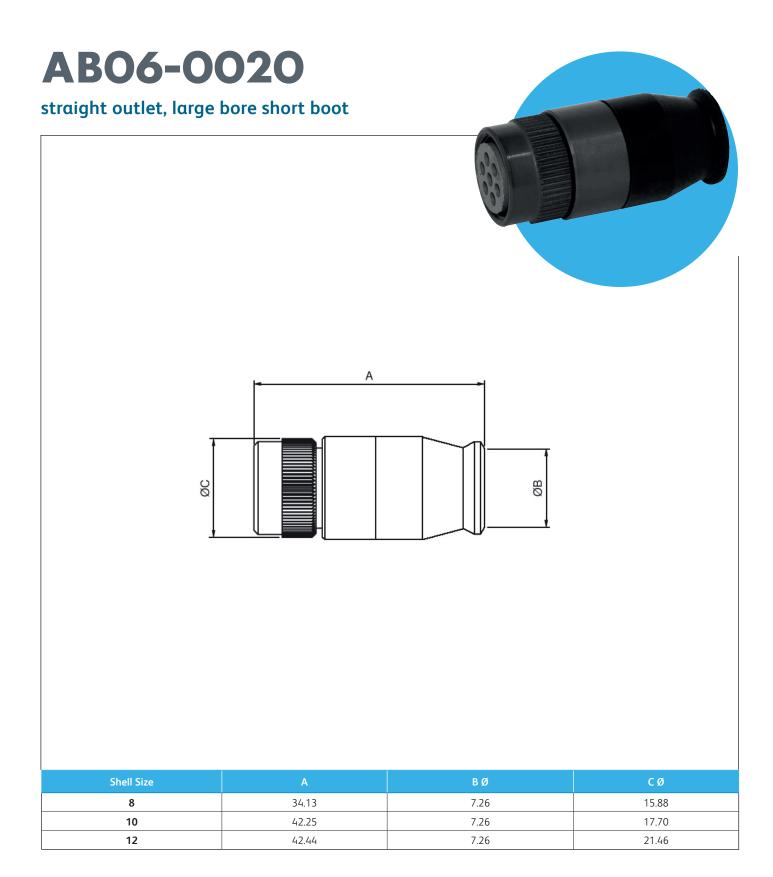
### accessories part number explanation

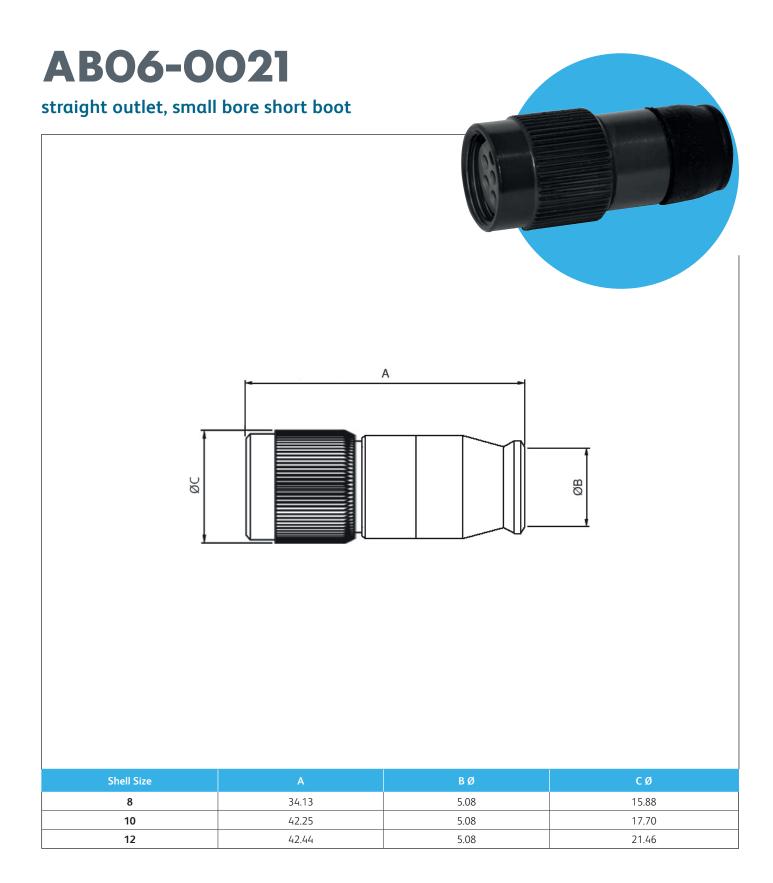
Accessories can also be ordered separately. To illustrate the ordering procedure, part number AB06002010070021 is shown in the table below:

Product Range:		AB06	00	20	10	07	00	21
Shell Style:	00 No connector. Accessory only.							
Accessory Class:	10 : 90° angled outlet 11 : 90° angled outlet (non standard, #10 accepts #12 cable) 20 : Straight outlet, large bore short boot 21 : Straight outlet, small bore short boot 22 : Straight outlet, small bore long boot							
Accessory size:	08, 10, 12, (Increase in sixteenths of an inch)							
Contact layout:	Refers to grommet where fitted. 00 No grommet supplied.							
Orientation:	00 No orientation.							
Modification:	21 Anodised black def 151 type 1. 59 : Zinc Cobalt plating with Olive Drab passivate finish 100 : Zinc Cobalt plating with Black Drab passivate finish							











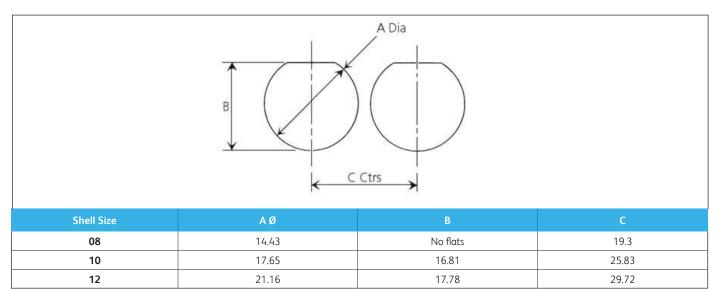
# **ABO6-Printed Circuit Tail Detail**

### receptacle, single hole mounting



# **ABO6-Panel Piercing Detail**

### receptacle, single hole mounting



All measurements in mm.

This information is to be used in conjunction with the Product Catalogue and Product Specification. Products may be safely used in the applications for which they have been designed and within the specified ratings and environments. If products are exposed to conditions outside the performance ratings or specified environments they may constitute a hazard. In particular it should be noted that:

#### 1) Material Content of Products

Circular connectors generally use metalwork parts made of copper, copper alloy, aluminium alloy, aluminium - bronze or steel, which, dependant on the particular application, may be passivated and protected with cadmium or zinc plate in conjunction with chromated or anodised surface finishes. The insulating materials can be either natural or synthetic rubber, together with plastic or glass moulded parts. Contact materials vary with product type but are usually made of copper, copper alloy, nickel, phosphor - bronze, alumel chromel or steel.

#### 2) Electric Shock, Burns and Fire

Hazard can occur if the product is used outside the specified parameters or if the product is damaged, wrongly wired or poorly assembled, or poorly integrated into larger equipments, or contaminated with conductive fluids. Live circuit terminations must be protected and live circuits never broken by demating products. Hotspots may be created when resistance is increased due to damage or incorrect integration particularly soldering, crimping or loose terminations. Overheating can cause breakdown of insulation, electric shot, burns or, ultimately, fire. In the event of fire noxious and/or toxic fumes may be released and, in these circumstances, any fire involving the product should be dealt with by personnel properly equipped.

Connector products with exposed terminations or contacts should not be used on the current supply side of a circuit with exposed contacts on an unmated product. Before making a circuit live, the product and wiring should be checked to ensure that there is no damage and no electrically conducting debris present. Circuit resistance checks should also be conducted before making the circuit live. Always ensure that the correct tools, (specified by AB Connectors Ltd.) are employed for crimping and assembled and wired by properly trained personnel.

#### 3) Disposal or Products

Products should not be burnt.

#### 4) Use, Transport and Storage of Products

Care must be taken to avoid damage to any part of the products during transportation, storage or use. The products as manufactured, are free of sharp edges. Abnormal transit or storage conditions and abuse during installation can give rise to damage. Products should not be used in a damaged condition.

Improper storage (particularly of damaged products) can give rise to additional hazards particularly corrosion. Your attention is specifically drawn to the need of proper storage of products containing cadmium and you are advised to see the Guidance Note from the Health and Safety Executive on Cadmium - Health and Safety Precautions.

#### **Safety Rules**

- 1. Ensure all conductor wires are capable of withstanding the electrical and environmental conditions of the application.
- 2. Always use the correct assembly tools for cables, contacts and connectors.
- 3. Make circuit resistance checks before making a circuit live.
- 4. Always protect live circuits and never demate a live connector.
  - 5. Never use a damaged connector.
  - 6. Never burn discarded connectors or cable.
  - 7. IF IN DOUBT, ASK.

N. B. Additional information on the products and the materials used in them may be obtained from the Sales Department of AB Connectors Ltd.

#### Shelf Life for Rubber Components

AB Connectors incorporate a number of rubber components within their connectors. Most rubbers change in physical properties during storage e.g. excessive hardening, softening, cracking or other surface degradation. These changes may be the result of particular factors or a combination of factors such as light, heat, humidity, oils or solvents.

With a few simple precautions the shelf life may be considerably lenghtened.

The storage temperature should be between +5° and +25°C. Direct contact with sources of heat such as boilers, radiators and direct sunlight should be avoided. It is advisable to cover any windows of storage rooms with a red or orange coating or screen. The relative humidity in the storeroom should be below 70%. Very moist or very dry conditions should be avoided. Condensation should not occur.

If the above recommendations are adhered to, then AB Connectors would warrant a shelf life of four years for its products.

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

# **Global Presence**

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

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

Information on TT electronics companies can be found by contacting:-

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Tel: +44 (0) 1932 825300 Fax: +44 (0) 1932 836450

Email: info@ttelectronics.com Web: www.ttelectronics.com



### **AB** Connectors

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General Note TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.



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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
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- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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