



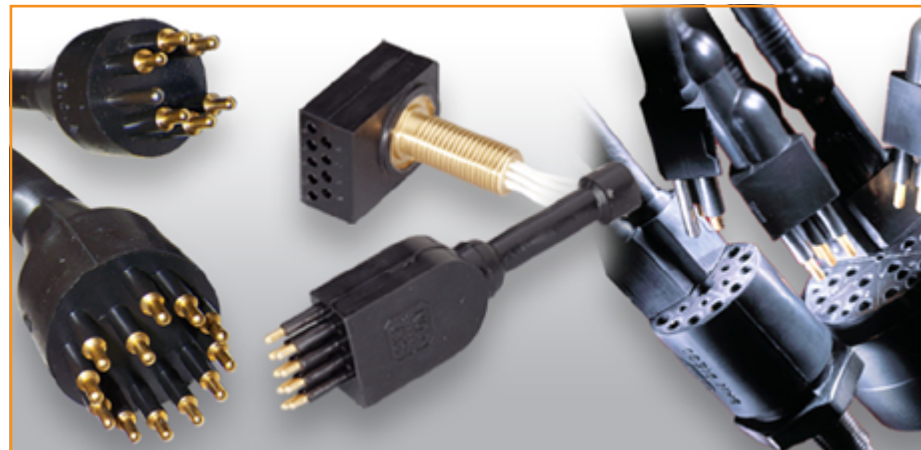
SEACON ALL-WET Electrical Wet-Mate Connectors

ALL-WET Electrical Wet-Mate Connectors
Offer Low Cost, Reliable and Versatile
Solutions for Subsea Environments



KEY FEATURES

- Wet-pluggable connector
- Round, split, flat and hermaphroditic
- Up to 42 contacts
- Up to 20,000 psig (approx. 45,000ft/13,700m) mated for round configurations
- Up to 600 VDC (with standard cable)
- Up to 50 amps
- Copper alloy, neoprene rubber, delrin
- SO cable as standard
- Typical uses: Diver equipment, lights, Remotely Operated Vehicle (ROV)'s, cameras



TE Connectivity (TE)'s SEACON ALL-WET connector series was developed to provide affordable yet reliable rubber molded connectors that allow the user to make and break connections both on the surface and underwater.

Manufactured using only high quality materials, the ALL-WET bulkhead connector's metal shell is produced using brass as standard, although other materials are available upon request. Contacts are gold plated providing corrosion resistance. The ALL-WET range offers four different style types; round (AW), split (AW), flat (FAW) and miniature hermaphroditic (MAW).

APPLICATION

- Underwater Television and Lights
- Diver Communications
- ROV Systems
- Recreational Submarines
- Towed Array Cable Systems
- Current Meters
- Animal Migration
- Research and Food Processing Equipment

SPECIAL ASSEMBLIES

TE maintains all facilities necessary to furnish complete under-water and environmental electrical connector/cable systems, including Research and Development, Engineering, Manufacturing, Quality Control and Pressure Testing.

As well as supplying our standard 'off-the-shelf' items, we have the capability to design and manufacture SPECIAL CUSTOMIZED CONNECTORS AND CABLE ASSEMBLIES to suit your individual needs.

TE also prides itself with the ability to perform stringent quality conformance testing procedures which are in accordance with the MIL-SPEC programs.

NOTE:

ALL-WET connectors are intended to mate with ALL-WET connectors only. Although the ALL-WET and WET-CON connectors look similar, the numbering pattern and color codes are not the same.

We recommend, as general practice, to verify color code and pin location before installation.

ALL-WET Series Connector Enhancements

The design change is associated with the Male Pin connectors only and has been introduced to improve and extend the life of the connectors by decreasing the stresses that are applied to the sealing interface between the male contact pin and the sealing rubber around the pin during the connectors mate and de-mate cycles.

The newly designed male contact has a "Lead in" as part of the contact pin itself which replaces the current rubber lead in. The introduction of the new pin removes any potential wear to the sealing interface between the male contact pin and the sealing rubber around the pin which may occur with many repeated make and breaks of the connector pairs. The new pin will maintain the full connector sealing properties and will provide a greater life expectancy of the connectors.

The incorporation of this design change to the Male Pin connectors will not affect the existing Female Socket connectors currently being used by TE customers and therefore full intermateability will be maintained.



ALL-WET Round Series



SPECIFICATIONS

- **Open Face Pressure:** Up to 1,000 psi (contact TE for higher ratings).
- **Mated Pressure - Bulkheads:** Up to 10,000 psi.
- **Mated Pressure - In-Lines:** 20,000 psi.
- **Voltage Rating:** 600 VDC based on standard cable (contact TE for higher ratings).
- **Current Rating:** Up to 50 amps per contact available. Please contact TE.
- **Contact Resistance:** <0.01 ohms.
- **Insulation Resistance:** >500 megohms after wet mating.

MATERIALS

- **Bulkhead Body:**
 - **Standard:** CA630 per QQ-C-465.
 - **Optional:** Many materials including 316 Stainless Steel and Glass Reinforced Epoxy (GRE). Other materials available on request
- **Connector Body:** Neoprene per B/A X5727.
- **Contacts:** Copper Alloy Gold Plated per ASTM B488.
- **Guide Pins:** 304 Stainless Steel.
- **O-Ring:** Nitrile (formerly known as Buna N).
- **In-Line Cable:** #18 AWG SO as standard.
- **Bulkhead Pigtails:** TFE insulated wire type E hook-up wire.

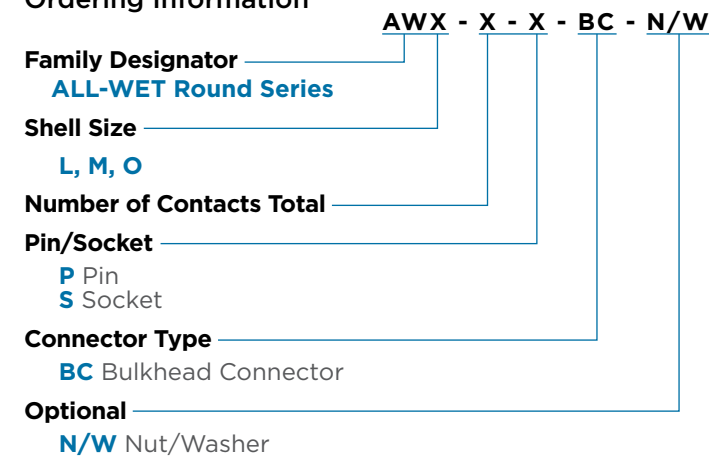
Notes:

- Locking sleeves are at additional charge and must be specified. We recommend that bulkhead locking sleeves are specified to be installed at the factory.
- Bulkhead nut/washer is not standard and must be ordered separately. Available in Stainless Steel although other materials are available on request.
- In-line cable and hook up wire is 18 inch as standard, longer lengths to be specified when ordering.
- Please contact TE for your non standard cable requirements. Some cables may require terminating to a bulkhead connector and overmolding.



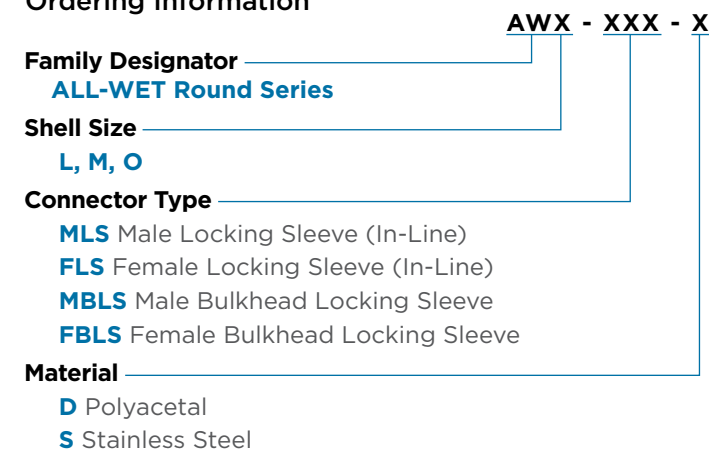
ALL-WET Round Series Bulkhead Connectors

Ordering Information



ALL-WET Round Series Locking Sleeves

Ordering Information



Ampacity Chart for Standard Parts (18 AWG SO Cable)

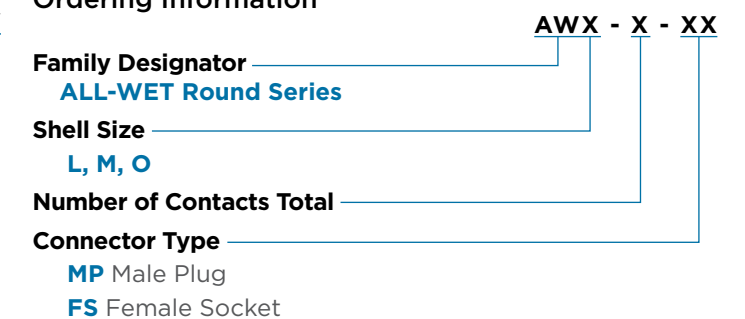
Part Description	Colour
Number of Contacts	
AWL - 2	7 amps
AWL - 3	7 amps
AWL - 4	5.6 amps
AWL - 5	5.6 amps
AWL - 6	5.6 amps
AWL - 8	4.9 amps
AWL - 12	3.5 amps

CAUTION:

- ALL-WET connectors are intended to mate with ALL-WET connectors only. Although the ALL-WET and WET-CON connectors look similar, the numbering pattern and color codes are not the same. We recommend as general practice, to verify color code and pin location before installation.

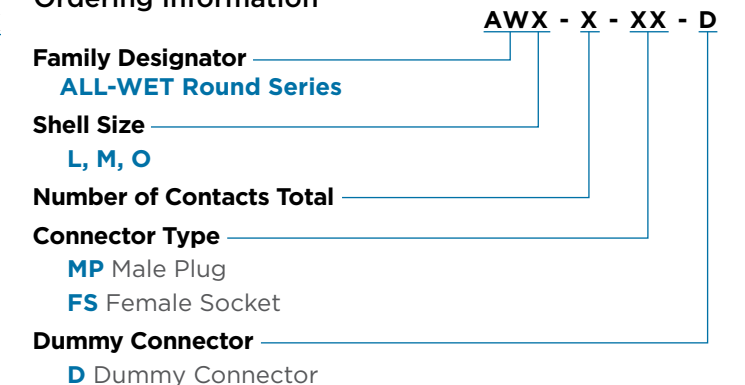
ALL-WET Round Series In-Line Connectors

Ordering Information



ALL-WET Round Series Dummy Connectors

Ordering Information



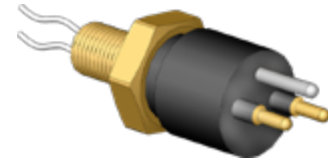
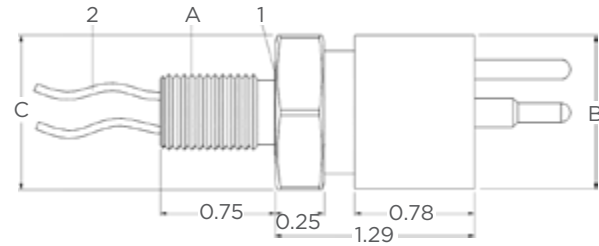
Standard In-Line Wiring Colour Code

Contact #	Colour
1	White
2	Black
3	Green
4	Red
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White



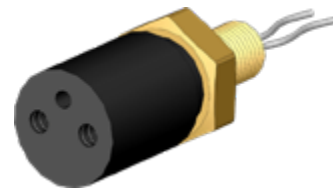
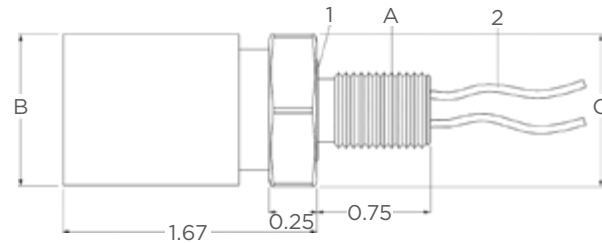
AW-P-BC

Round Pin Bulkhead Connector



AW-S-BC

Round Socket Bulkhead Connector



Shell Size	A Thread	B Ø (In)	C Hex Flats (In)	1 O-Ring	2 Hook-Up Wire	Bulkhead Mounting Torque (In/lbs)	Part Number
L	1/2-20 UNF-2A	1.00	1.00	2-114	18 AWG	50	AWL-X-P/S-BC
M	3/4-16 UNF-2A	1.25	1.25	2-118	18 AWG	85	AWM-X-P/S-BC
O	1-14 UNS-2A	1.60	1.62	2-122	18 AWG	125	AWO-X-P/S-BC

GRE Special Order Sizes

Shell Size	A Thread	B Ø (In)	C Hex Flats (In)	1 O-Ring	2 Hook-Up Wire	Bulkhead Mounting Torque (In/lbs)	Part Number
L	1/2-20 UNF	1.00	1.00	2-114	18 AWG	15	AWL-X-P/S-BC
L	3/4-16 UNS*	1.00	1.25	2-118	18 AWG	50	AWL-X-P/S-BC
M	3/4-16 UNF	1.25	1.25	2-118	18 AWG	50	AWM-X-P/S-BC
M	1-14 UNS*	1.25	1.50	2-122	18 AWG	85	AWM-X-P/S-BC
O	1-14 UNS	1.60	1.62	2-122	18 AWG	85	AWO-X-P/S-BC

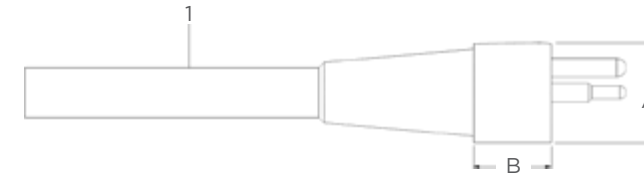
Notes:

- * Optional, more robust design.
- Bulkhead Locking Sleeve: Optional; Factory installation only for AWL/M/O-BC (see page 10).
- Nut and washer: Optional.
- Dummy Connector: Optional.
- Dummy Shorting Plug Connector: Optional.
- Connectors must be lubricated prior to mating.
- Torque values referenced in this literature assume installation into dry metal threads. For other applications, please contact TE for recommendations.
- Connectors are designed for installation on one atmosphere vessels. Contact TE for recommendations if using compensated vessels.



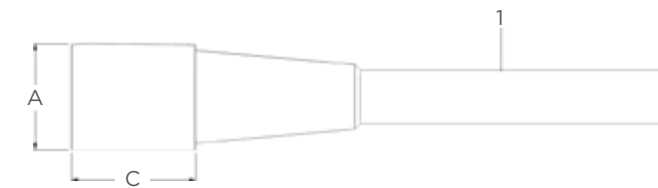
AW-MP

Round Male Plug In-Line Connector



AW-FS

Round Female Socket In-Line Connector



Shell Size	A Ø (In)	B Length (In)	C Length (In)	1 Standard Cable	Maximum Cable O.D	Part Number
L	1.00	0.78	1.16	18 AWG SO	1/2 (0.500)	AWL-X-MP/FS
M	1.25	0.78	1.16	18 AWG SO	7/8 (0.875)	AWM-X-MP/FS
O	1.60	0.78	1.16	18 AWG SO	1 1/4 (1.250)	AWO-X-MP/FS

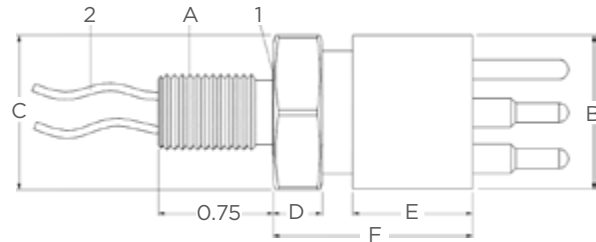
Notes:

- Locking Sleeve: Optional (see page 10).
- Dummy Connector: Optional.
- Dummy Shorting Plug Connector: Optional.
- Connectors must be lubricated prior to mating.



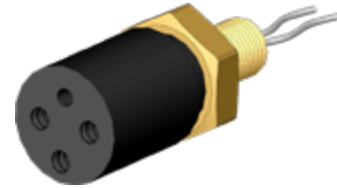
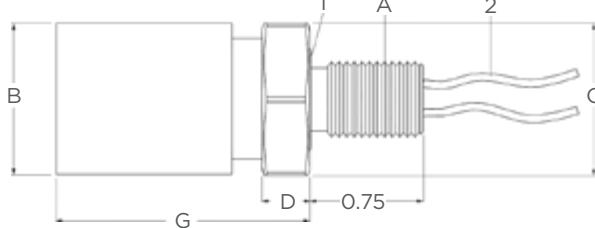
AW-P-BC with Ground (w/G)

Round Pin Bulkhead Connector with Ground



AW-S-BC with Ground (w/G)

Round Socket Bulkhead Connector with Ground



Shell Size	A Thread	B Ø (In)	C Hex Flats (In)	Length (In)	Length (In)	Length (In)	Length (In)	1 O-Ring	2 Hook-Up Wire	Bulkhead Mounting Torque (In/lbs)	Part Number
L	1/2-20 UNF-2A	1.00	1.00	0.25	0.78	1.29	1.67	2-114	18 AWG	50	AWL-X-P/S-BC-w/G
M	3/4-16 UNF-2A	1.25	1.25	0.25	0.78	1.29	1.67	2-118	18 AWG	85	AWM-X-P/S-BC-w/G
O	1-14 UNS-2A	1.60	1.62	0.50	1.15	2.31	2.69	2-122	8 AWG	125	AWO-X-P/S-BC-w/G

GRE Special Order Sizes

Shell Size	A Thread	B Ø (In)	C Hex Flats (In)	1 O-Ring	2 Hook-Up Wire	Bulkhead Mounting Torque (In/lbs)	Part Number
L	1/2-20 UNF	1.00	1.00	2-114	18 AWG	15	AWL-X-P/S-BC-w/G
L	3/4-16 UNS*	1.00	1.25	2-118	18 AWG	50	AWL-X-P/S-BC-w/G
M	3/4-16 UNF	1.25	1.25	2-118	18 AWG	50	AWM-X-P/S-BC-w/G
M	1-14 UNS*	1.25	1.50	2-122	18 AWG	85	AWM-X-P/S-BC-w/G
O	1-14 UNS	1.60	1.62	2-122	8 AWG	85	AWO-X-P/S-BC-w/G

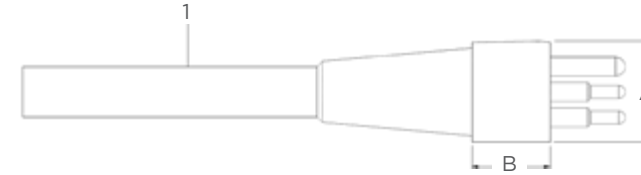
Notes:

- This series offers a ground pin that will make contact prior to the line pins and break contact last upon demating.
- * Optional, more robust design.
- Optional thread sizes: AWL-7/16-20 UNF-2A. AWM-5/8-18 UNF-2A.
- Bulkhead Locking Sleeve: Optional; Factory installation only for AWL/M/O-BC (see page 10).
- Nut and washer: Optional.
- Dummy Connector: Optional.
- Dummy Shorting Plug Connector: Optional.
- Connectors must be lubricated prior to mating.
- Torque values referenced in this literature assume installation into dry metal threads. For other applications, please contact TE for recommendations.
- Connectors are designed for installation on one atmosphere vessels. Contact TE for recommendations if using compensated vessels.



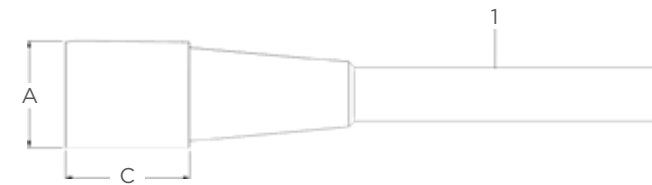
AW-MP with Ground (w/G)

Round Male Plug In-Line Connector with Ground



AW-FS with Ground (w/G)

Round Female Socket In-Line Connector with Ground



Shell Size	A Ø (In)	B Length (In)	C Length (In)	1 Standard Cable	Maximum Cable O.D	Part Number
L	1.00	0.78	1.16	18 AWG SO	1/2 (0.500)	AWL-X-MP/FS-w/G
M	1.25	0.78	1.16	18 AWG SO	7/8 (0.875)	AWM-X-MP/FS-w/G
O	1.85	1.39	1.23	8 AWG SO	1 1/4 (1.250)	AWO-X-MP/FS-w/G

Standard In-Line w/Ground Color Code

AWL-2 w/G-MP/FS

Contact #	Colour
1	White
2	Black
G	Green

AWL-3 w/G-MP/FS AWM-3 w/G-MP/FS

Contact #	Colour
1	White
2	Black
3	Red
G	Green

AWM-5 w/G-MP/FS

Contact #	Colour
1	White
2	Black
3	Red
4	Orange
5	Blue
G	Green

AWO-15 w/G-MP/FS

Contact #	Colour
1	White
2	Black
3	Red
4	Orange
5	Blue
6	White/Black
7	Red/Black
8	Green/Black
9	Orange/Black
10	Blue/Black
11	Black/White
12	Green/White
13	Red/White
14	Blue/White
15	Black/Red
G	Green

Notes:

- This series offers a ground pin that will make contact prior to the line pins and break contact last upon demating.
- Locking Sleeve: Optional (see page 10).
- Dummy Connector: Optional.
- Dummy Shorting Plug Connector: Optional.
- Connectors must be lubricated prior to mating.
- For Bulkhead Connectors, please contact TE for availability.
- AWO-15 w/G has one pin that makes contact last.

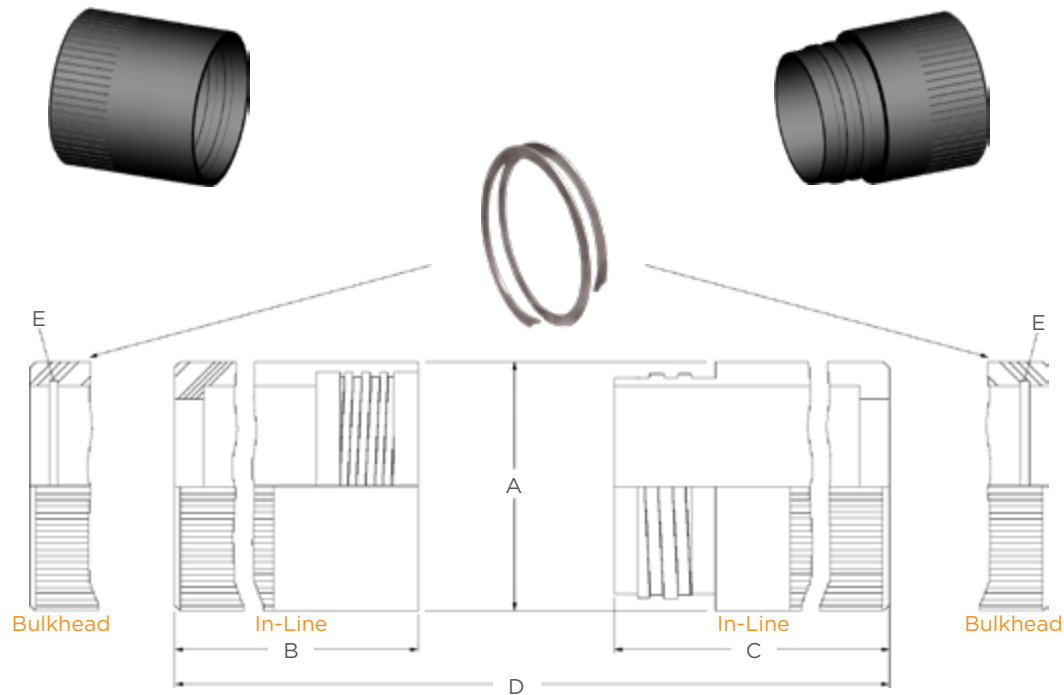


FLS

Female Locking Sleeve

MLS

Male Locking Sleeve



ALL-WET Locking Sleeve

In-Line	Bulkhead	A Ø (In)	B Length (In)	C Length (In)	D Length (In)	E Spirolox
AWL-FLS	AWL-FBLS	1.25	1.23	-	2.10	RR-100
AWL-MLS	AWL-MBLS	1.25	-	1.38	2.10	RR-100
AWM-FLS	AWM-FBLS	1.50	1.23	-	2.10	RR-125
AWM-MLS	AWM-MBLS	1.50	-	1.38	2.10	RR-125
AWO-FLS	AWO-FBLS	1.85	1.23	-	2.10	RR-162
AWO-MLS	AWO-MBLS	1.85	-	1.38	2.10	RR-162
-	AWQ-FBLS	2.50	1.44	-	2.94	-
AWQ-MLS	-	2.50	-	2.00	2.94	-

Notes:

- D - Polyacetal.
- S - Stainless Steel.
- Locking Sleeves will fit standard ALL-WET Connectors and ALL-WET Split Connectors.
- Specify Bulkhead or In-Line type locking sleeve.
- Bulkhead Locking Sleeve: Optional.
- If locking sleeves are required for AWL/M/O bulkhead connectors, they must be specified at time of connector order as they are factory installations only.

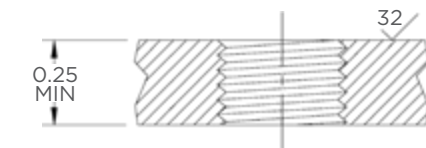
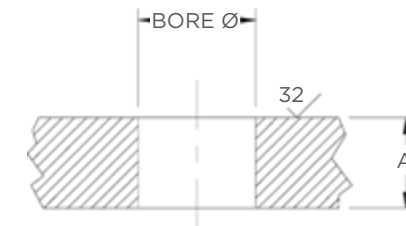


AW-P/S-BC

Through Bore Option

AW-P/S-BC

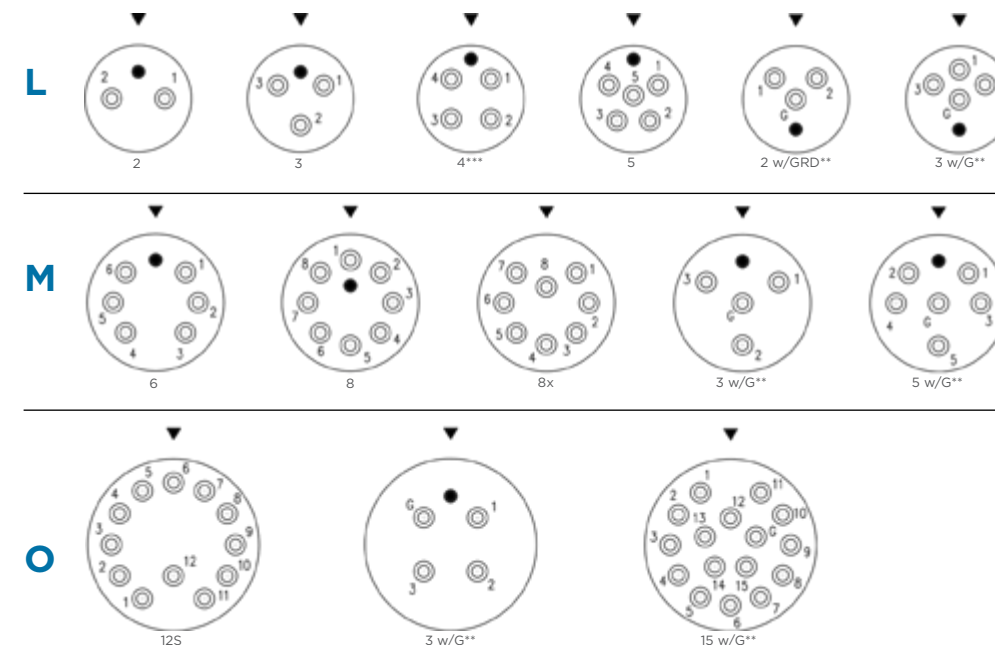
Threaded Mounting Option



Shell Size	Thread	Bore Ø (In)	Mounting Torque (In/lbs)	Spot Face Ø (In)	A Max. (In)
L	1/2-20 UNF-2A	0.500 +0.015 -0.000	50	1.19	0.44
M	3/4-16 UNF-2A	0.750 +0.015 -0.000	85	1.50	0.44
O	1-14 UNS-2A	1.000 +0.015 -0.000	125	1.88	0.44

ALL-WET Round Series Contact Configurations

Female Face View Only* - Not to Scale



Notes:

- * For male face view contact configurations available please contact TE.
- ** ALL-WET series w/Ground.
- *** AWL-4-S mates with AWL-2/4-MP Split connectors.



ALL-WET Split Series



SPECIFICATIONS

- **Open Face Pressure:** Up to 1,000 psi.
- **Mated Pressure:** Up to 10,000 psi.
- **Voltage Rating:** Will vary by pattern, determined by the cable.
- **Current Rating:** Up to 13 amps per contact.*
- **Contact Resistance:** <0.01 ohms.
- **Insulation Resistance:** >500 megohms after wet mating.
- **Mating Cycles:** >500 wet matings.**

MATERIALS

- **Bulkhead Body:**
 - **Standard:** CA630 per QQ-C-465.***
 - **Optional:** Many materials including 316 Stainless Steel, 6A14V Titanium, and Glass Reinforced Epoxy (GRE).
- **Connector Body:**
 - **Standard:** Neoprene per B/A X5727.
 - **Optional:** Chlorosulphonated Polyethylene per B/A X6830.
- **Contacts:** Copper Alloy Gold Plated per ASTM B488.
- **Guide Pins:** 304 Stainless Steel.
- **O-Ring:** Nitrile (formerly known as Buna N).

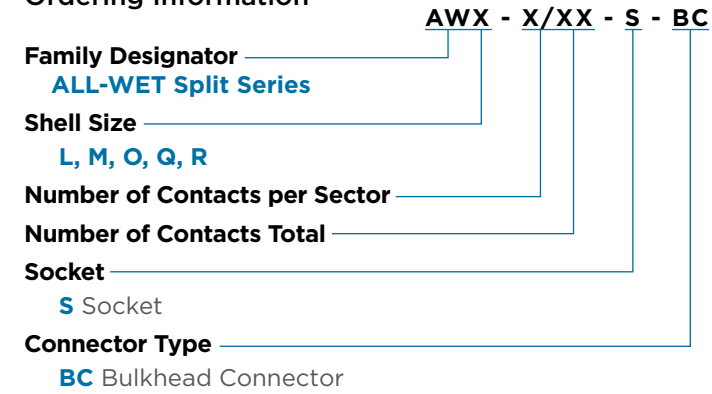
Notes:

- * Maximum current carrying capacity for contacts may be affected by cable selection.
- ** Provided proper handling procedures are adhered to.
- *** Except AWM-2/12S-BC (Standard = 316 Stainless Steel).
- Locking sleeves are not standard and must be ordered separately. Available in Polyacetal or Stainless Steel.
- Bulkhead nut/washer is not standard and must be ordered separately. Available in Stainless Steel.



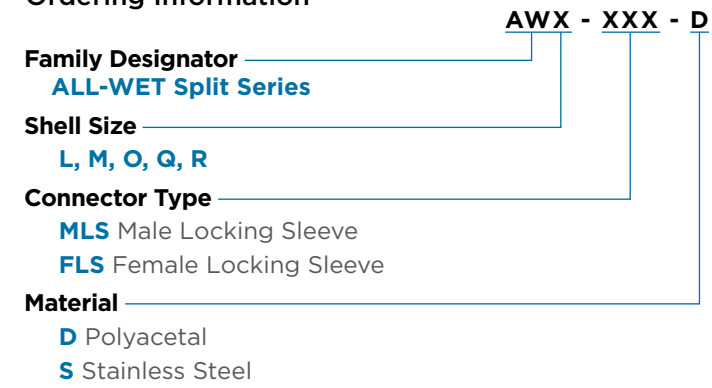
ALL-WET Split Series Bulkhead Connectors

Ordering Information



ALL-WET Split Series Locking Sleeves

Ordering Information



Notes:

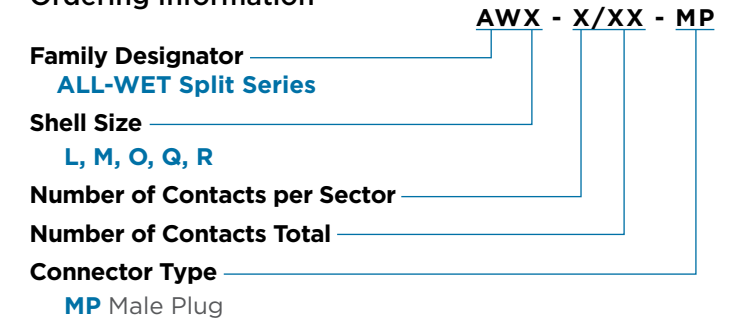
- Locking sleeves are available for ALL-WET Split Series connectors as an option, see page 10.

Ampacity Chart for Standard Parts

Please see page 14 of this ALL-WET Split section.

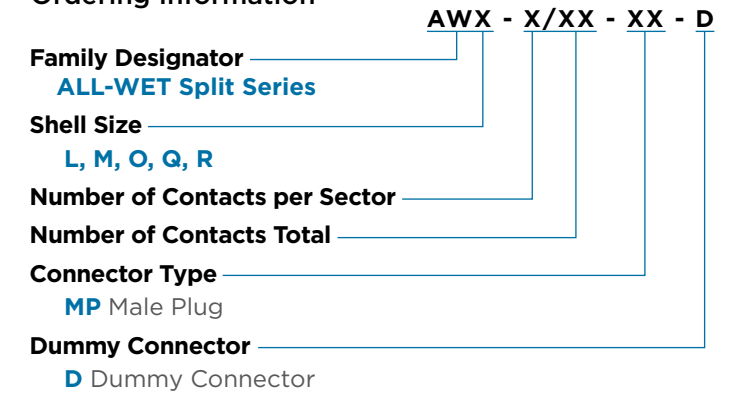
ALL-WET Split Series In-Line Connectors

Ordering Information



ALL-WET Split Series Dummy Connectors

Ordering Information



Notes:

- Dummy male plug connectors are available for all bulkhead connectors in the ALL-WET Split Series. To order, add the suffix-D after the part number.

Standard In-Line Wiring Color Code (SO Cable)

Contact #	Colour
1	White
2	Black
3	Green
4	Red
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White



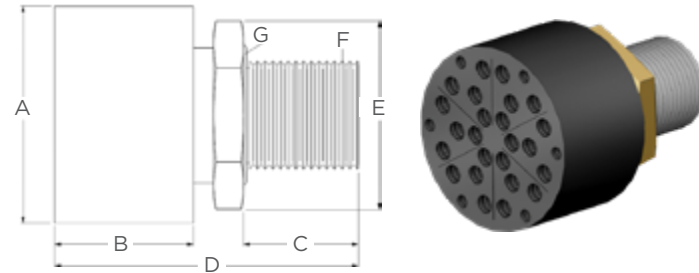
AW-MP SPLIT

Split In-Line Pie Connector



AW-S-BC

Split Bulkhead Connector



Connector	A Ø (In)	B Length (In)	C Length (In)	D Length (In)	E Length (In)	F Thread	G O-Ring	BC 18" TFE Insulated Wire Type			AMP Per Contact	Cable Capacity	Bulkhead Mounting Torque (In/lbs)
								E Hook- Up Wire	MP w/18" Cable	VDC			
AWL-2/4*	1.00	1.16	0.75	2.42	1.00	1/2-20 UNF-2A	2-114	18 AWG	18/2 SJO	300	19	7.0	50
AWM-2/12	1.25	1.16	0.75	2.42	1.25	1/2-20 UNF-2A	2-114	20 AWG	18/2 SJO	300	19	7.0	50
AWO-2/12	For dimension details and ratings please contact TE.												
AWQ-2/8	2.00	1.28	1.00	2.80	1.50	1-14 UNF-2A	2-123	18 AWG	18/2 SO	600	19	7.0	125
AWQ-6/12	2.00	1.28	1.00	2.80	1.50	1-14 UNF-2A	2-123	18 AWG	18/6 SO	600	19	5.6	125
AWQ-2/16	2.00	1.28	1.00	2.80	1.50	1-14 UNF-2A	2-123	18 AWG	18/2 SO	600	19	7.0	125
AWQ-2/24	2.00	1.28	1.00	2.80	1.50	1-14 UNF-2A	2-123	18 AWG	18/2 SJO	300	10	7.0	125
AWQ-4/24	2.00	1.28	1.00	2.80	1.50	1-14 UNF-2A	2-123	18 AWG	18/4 SO	600	19	5.6	125
AWQ-4/28	2.00	1.28	1.00	2.80	1.50	1-14 UNF-2A	2-123	18 AWG	18/4 SO	600	19	5.6	125
AWQ-8/24	2.00	1.28	1.00	2.80	1.50	1-14 UNF-2A	2-123	18 AWG	18/8 SO	600	19	4.9	125
AWQ-8/32	2.00	1.28	1.00	2.80	1.50	1-14 UNF-2A	2-123	18 AWG	18/8 SO	600	10	4.9	125
AWQ-6/36	2.00	1.28	1.00	2.80	1.50	1-14 UNF-2A	2-123	20 AWG	18/6 SO	600	10	5.6	125
AWQ-12/36	2.00	1.28	1.00	2.80	1.50	1-14 UNF-2A	2-123	20 AWG	18/12 SO	600	10	3.5	125
AWQ-7/42	2.00	1.28	1.00	2.80	1.50	1-14 UNF-2A	2-123	20 AWG	18/7 SO	600	10	4.9	125

GRE Special Order Sizes

Shell Size	A Thread	Hex Flats (In)	Bulkhead Mounting Torque (In/lbs)
L	1/2-20 UNF-2A	1.00	50
M	3/4-16 UNF-2A	1.25	85
O	1-14 UNS-2A	1.62	125
Q	1-14 UNS-2A	1.50	85

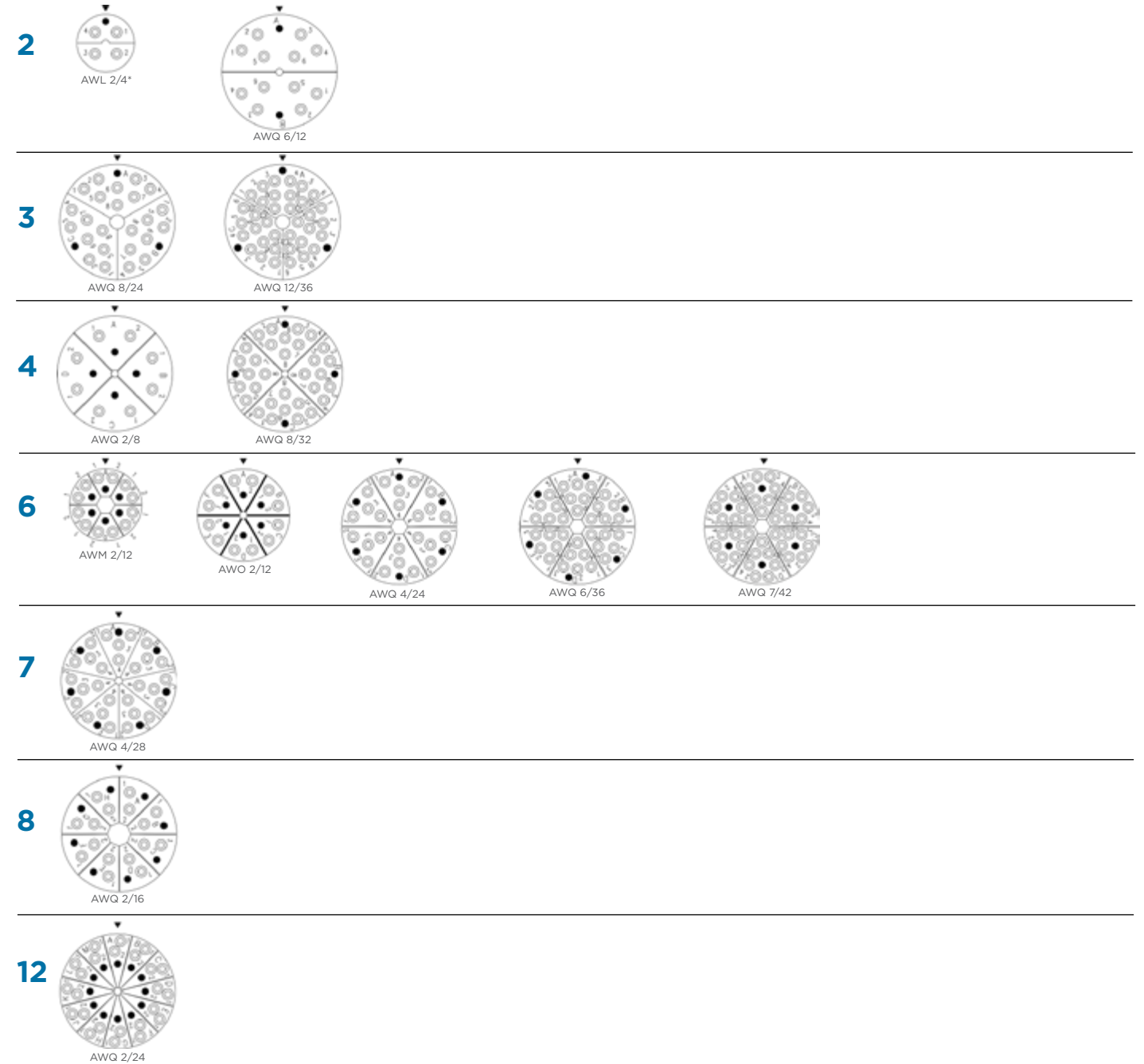
Notes:

- Multiple connectors required to fill all sectors of bulkhead connector.
- Pressure Rating: 10,000 psi, mated/1,000 psi, open face.
- Dummy Connector: Optional. Please contact TE for availability.
- Dummy Shorting Plug Connector: Optional.
- Connectors must be lubricated prior to mating.
- Locking Sleeves: Optional (see page 10).
- Nut and washer: Optional.
- Torque values referenced in this literature assume installation into dry metal threads. For other applications, please contact TE for recommendations.
- Contact TE for custom cable molding needs.
- Bulkhead Locking Sleeve. Factory installation only for AWL/M-BC (see page 10).
- Connectors are designed for installation onto one atmosphere vessels. Contact TE for recommendations if using compensated vessels.
- * AWL-2/4 is available in 2 different MP's. 1) Has guide pin along with pins 1 & 4; 2) Has no guide pin and pins 3 & 4.



ALL-WET Split Series Contact Configurations

Female Face View Only* - Not to Scale

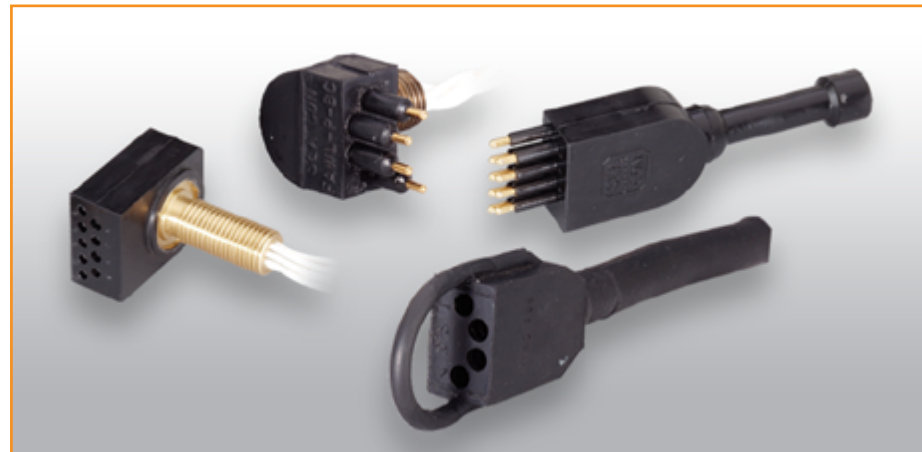


Notes:

- All configurations shown are the face view of the Bulkhead Connector (BC). Standard bulkhead contacts are female.
- The mating male plugs (MP) are "split" into equally shaped sections.
- For customer configurations or special applications contact TE or sales representative
- * AWL-2/4-MP mates with standard AWL-4S-BC.



ALL-WET Flat Series



SPECIFICATIONS

- **Open Face Pressure - Bulkheads:** Up to 1,000 psi.
- **Mated Pressure - Bulkheads:** Up to 10,000 psi.
- **Mated Pressure - In-Lines:** Up to 10,000 psi.
- **Voltage Rating:**
 - FAW: 600 VDC except FAWM-10.*
 - MAW: 300 VDC.
- **Current Rating:**
 - FAW: Up to 10 amps per contact.**
 - MAW: Up to 3 amps per contact.**
- **Contact Resistance:** <0.01 ohms.
- **Insulation Resistance:** >500 megohms after wet mating.
- **Mating Cycles:** >500 wet matings.***

MATERIALS

- **Bulkhead Body:**
 - **Standard:** CA630 per QQ-C-465.
 - **Optional:** Many materials including 316 Stainless Steel and 6A14V Titanium, Hard Anodized.
- **Connector Body:**
 - **Standard:** Neoprene per B/A X5727.
 - **Optional:** Chlorosulphonated Polyethylene per B/A X6830.
- **Contacts:** Copper Alloy Gold Plated per ASTM B488.
- **O-Ring:** Nitrile (formerly known as Buna N).
- **In-Line Cable:**
 - FAWL: #18 AWG SO.****
 - FAWM 8: #20 AWG SO.****
 - FAWM 10: #22 AWG SO.****
 - MAW: IN2.****
- **Bulkhead Nut/Washer:** Brass.
- **Bulkhead Pigtails:** TFE insulated wire type E hook-up wire.
 - FAWL: #18 AWG SO.****
 - FAWM 8: #20 AWG SO.****
 - FAWM 10: #22 AWG SO.****
 - MAW: IN2.****

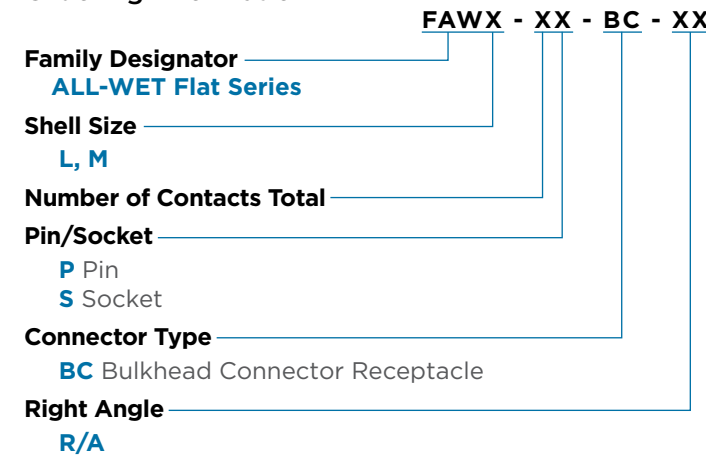
Notes:

- * Rated to 300 VDC.
- ** Maximum current carrying capacity for contacts may be affected by cable selection.
- *** Provided proper handling procedures are adhered to.
- **** 18 inch standard length.



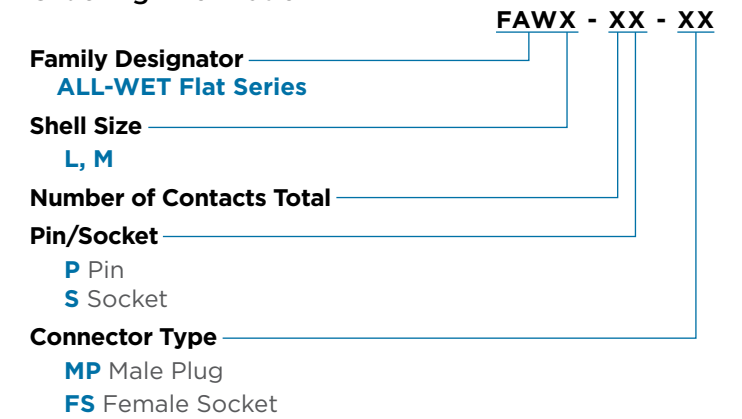
ALL-WET Flat Series Bulkhead Connectors

Ordering Information



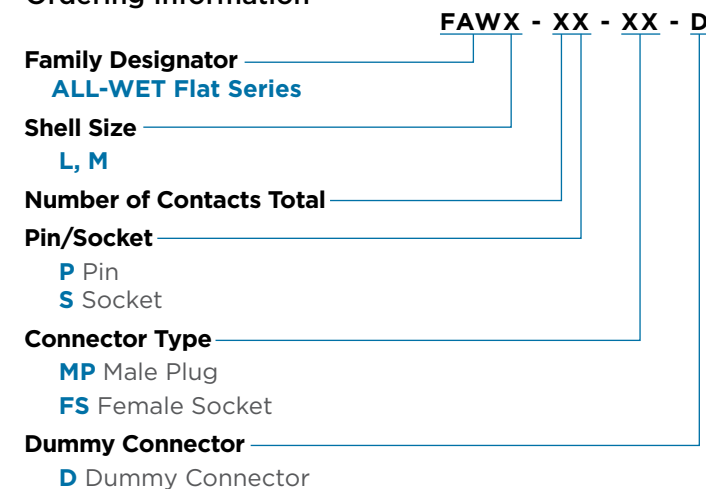
ALL-WET Flat Series In-Line Connectors

Ordering Information



ALL-WET Flat Series Dummy Connectors

Ordering Information



Notes:

- Dummy connectors are available for all connectors in the ALL-WET Flat Series. To order, add the suffix-D after the part number.

Ampacity Chart for Standard Parts

Part Description	Colour
Number of Contacts	
FAWL - 2	7 amps
FAWL - 3	7 amps
FAWL - 4	5.6 amps
FAWL - 5	5.6 amps
FAWL - 8	4.9 amps
FAWL - 10	2.5 amps

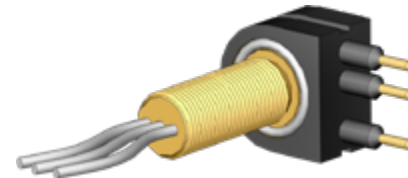
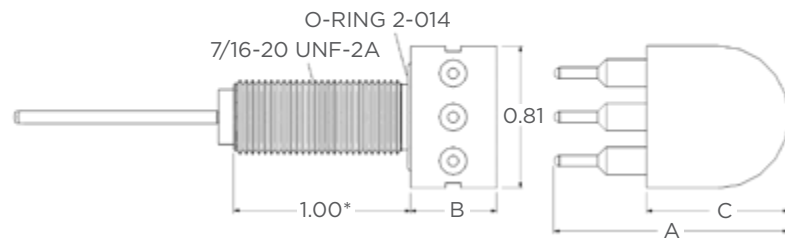
Standard In-Line Wiring Color Code

Contact #	Colour
1	White
2	Black
3	Green
4	Red
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black



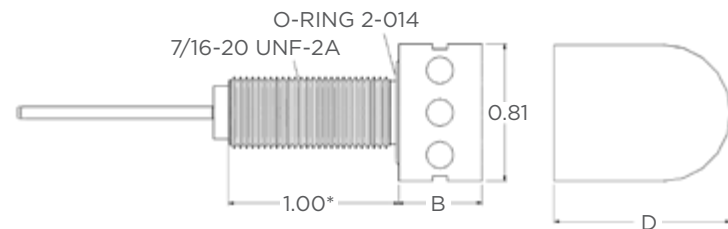
FAW-P-BC-R/A

Flat Pin Bulkhead Connector Right Angle



FAW-S-BC-R/A

Flat Socket Bulkhead Connector Right Angle



Shell Size	A Length (In)	B Length (In)	C Length (In)	D Length (In)	Part Number
L	1.34	0.50	0.81	1.05	FAWL-X-P/S-BC-R/A
M	1.48	0.63	0.95	1.12	FAWM-X-P/S-BC-R/A

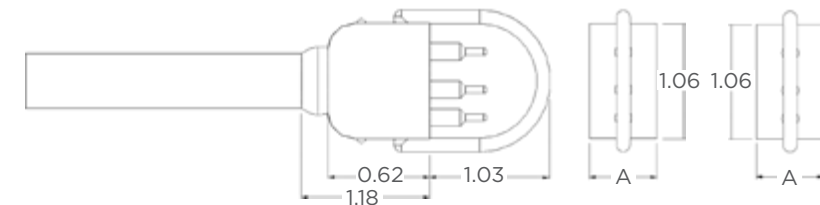
Notes:

- Thread length is 1.00" standard. If shorter thread is required, specify as follows: FAW-P(or S)-BC-R/A (1/2" thread length).
- Available thread length: 1/2", 3/4" and 1".
- Bulkhead mounting torque: 40 inch pounds.
- Nuts and washer supplied.
- Connectors must be lubricated prior to mating.
- Connectors are designed for installation on one atmosphere vessels. Contact TE for recommendations if using compensated vessels.
- Dummy Connectors: Optional.
- Dummy Shorting Plug: Optional.



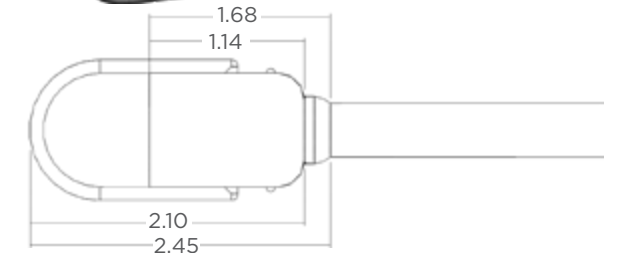
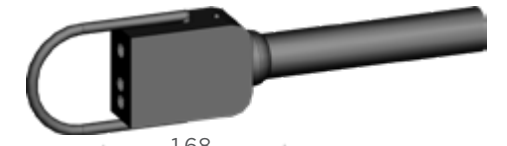
FAW-P-MP

Flat Pin Male Plug In-Line Connector



FAW-S-MP

Flat Socket Male Plug In-Line Connector



Shell Size	A Length (In)	Part Number
L	0.50	FAWL-X-P/S-MP
M	0.63	FAWM-X-P/S-MP

Notes:

- Neoprene lanyard wraps around groove on in-line or bulkhead mate.
- Dummy connectors: Optional.
- Dummy Shorting Plug: Optional.
- Connectors must be lubricated prior to mating.

FAW-P-FS

Flat Pin Female Socket In-Line Connector



FAW-S-FS

Flat Socket Female Socket In-Line Connector



Shell Size	A Length (In)	B Length (In)	C Length (In)	D Length (In)	E Length (In)	F Length (In)	Part Number
L	0.81	0.50	0.88	1.31	1.05	1.55	FAWL-X-P/S-FS
M	0.98	0.63	0.94	1.33	1.15	1.52	FAWM-X-P/S-FS

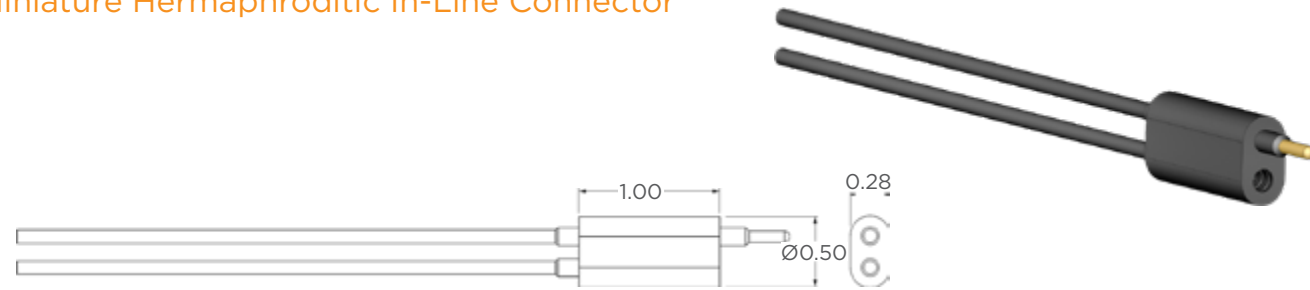
Notes:

- Dummy Connector: Optional.
- Dummy Shorting Plug: Optional.
- Connectors must be lubricated prior to mating.



MAW-2-HC w/IN2 CABLE

Miniature Hermaphroditic In-Line Connector



MAW-2-HC w/18/2 SJO CABLE

Miniature Hermaphroditic In-Line Connector



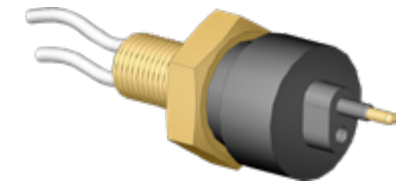
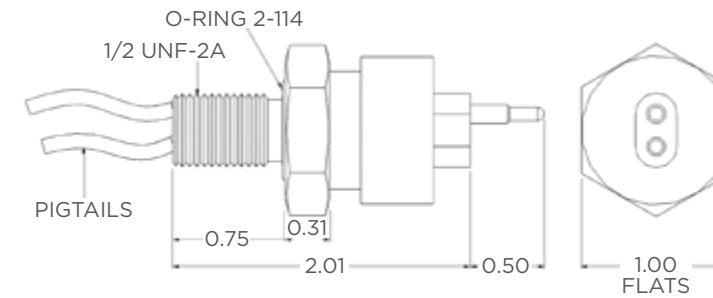
Notes:

- Current-carrying capacity: MAW-2-HC w/IN2 CABLE - 3 amps per contact.
MAW-2-HC w/18/2 SJO CABLE - 7 amps per contact.
- Operating pressure: 10,000 psi.
- Open face pressure: 1,000 psi.
- Working voltage: 300 VDC.
- Dummy Connector: Optional.
- Dummy Shorting Plug: Optional.
- Connectors must be lubricated prior to mating.



MAW-2-HC-BC

Miniature Hermaphroditic Bulkhead Connector

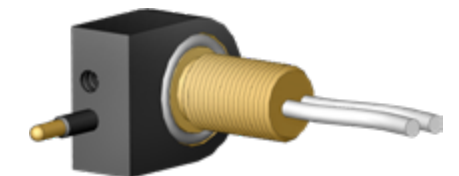
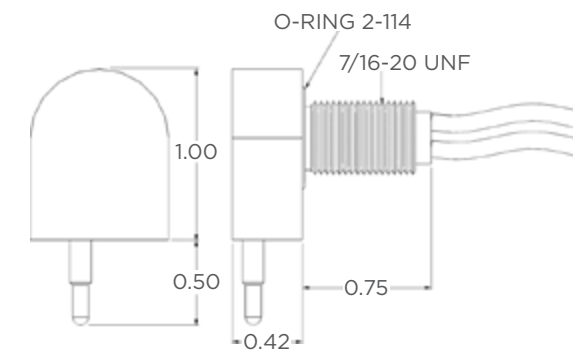


Notes:

- Dummy connector: Optional.
- Dummy Shorting Plug: Optional.
- Pigtails: 18 AWG Type E, 18 inches long.
- Connectors must be lubricated prior to mating.
- Nut and washer: Optional.
- For GRE bulkhead mounting torques please contact TE. Torque value referenced in this literature assume installation into dry metal threads. For other applications please contact TE for recommendations.
- Connectors are designed for installation on one atmosphere vessels. Contact TE for recommendations if using compensated vessels.

MAW-2-HC-BC-R/A

Miniature Hermaphroditic Bulkhead Right Angle Connector



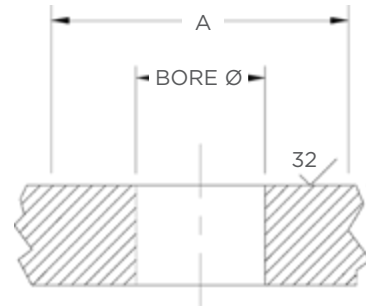
Notes:

- Dummy connector: Optional.
- Dummy Shorting Plug: Optional.
- Connectors must be lubricated prior to mating.
- Nuts and washer supplied.
- Connectors are designed for installation on one atmosphere vessels. Contact TE for recommendations if using compensated vessels.



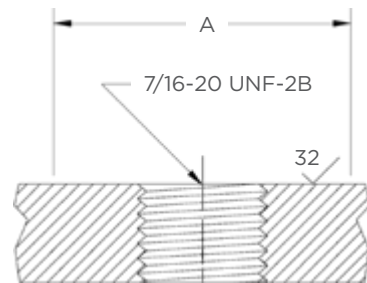
FAW-P/S-BC

Through Bore Option



FAW-P/S-BC

Threaded Mounting Option



Notes:

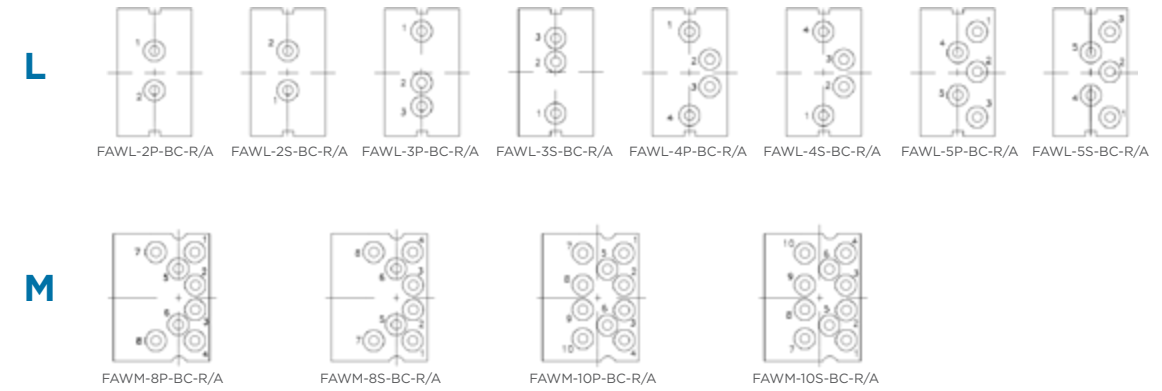
A - Spot face to 32 finish, minimum diameter 1.25 (to be equal to or greater than connector diameter).

- Bore, through or threaded, must be perpendicular to spot face.
- If threaded mount is used, the lead thread chamfer is not to exceed diameter 0.450.

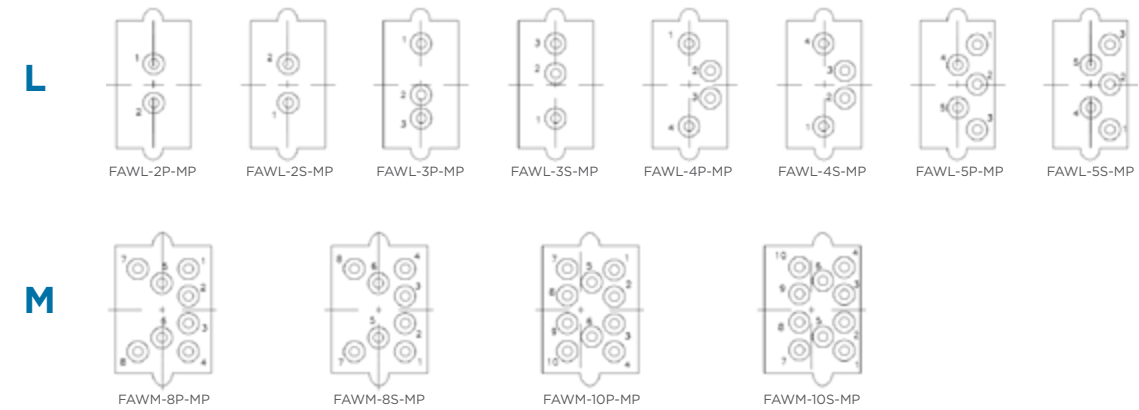


ALL-WET Flat Series Contact Configurations

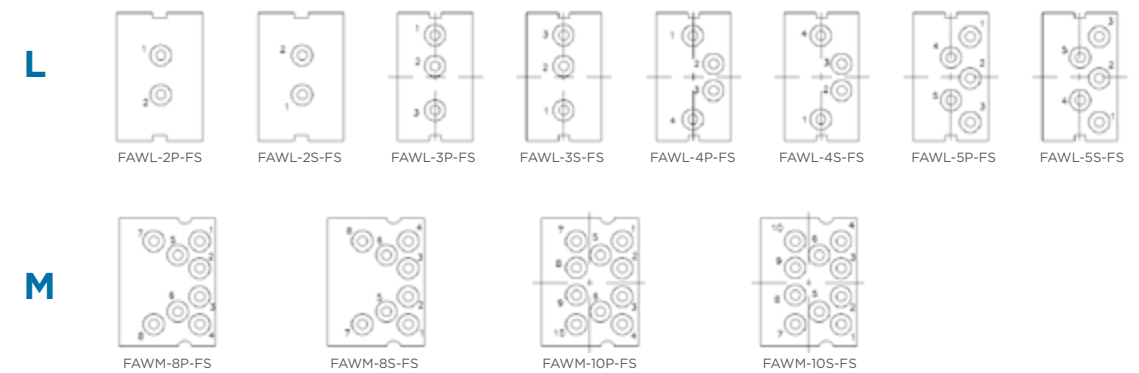
Right Angle Bulkhead - Not to Scale



In-Line Male Plug - Not to Scale



In-Line Female Socket - Not to Scale



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