

Series 802 Aqua Mouse Submersible Overmolded Cordset Ordering Information

802-019, 802-022

Glenair[®]

Series 802



**Series 802 Overmolded
Cordset**

Abrasion-Resistant Polyurethane Jacket provides cold temperature flexibility and high strength. Low smoke/zero halogen material meets requirements for low toxicity.

90% Tinned Copper Braid is terminated directly to connector with stainless steel **BAND-IT**[®] strap.

Two Cable Types – Cordsets with polyamide overmolds offer good chemical resistance and are rated for one meter immersion. For maximum chemical resistance and 2500 PSI rating, choose thermoset polyurethane overmolding.

Series 802 Harsh Environment Shielded Cordsets

These overmolded cordsets withstand abrasion and chemical exposure. Low smoke zero halogen jacket reduces the amount of toxic and corrosive gasses emitted during combustion. Cable construction features silver coated stranded conductors with TFE insulation, tinned copper braid shield and extruded polyurethane jacket. Choose single-ended pigtails or double-ended "back-to-back" versions. Braid shield is attached directly to connector with **BAND-IT**[®] straps. Semi-rigid polyamide overmold provides strain relief and environmental sealing, or choose thermoset polyurethane overmold for superior strength, chemical resistance, and 2500 PSI pressure rating.

Series 802 cordsets are now available with size #20HD, #16 and #12 contacts. Ordering information is found on the following

HARSH ENVIRONMENT CORDSET SPECIFICATIONS

Cable Jacket Material	Thermoplastic Polyurethane, Black, UL 94 V-0 Rated
Cable Shield	Tin-Coated Copper Braid, 90% Minimum Coverage
Conductors	Silver Coated Stranded Wire, TFE Insulated, Per M22759/11
BAND-IT [®] Shield Termination Band	Stainless Steel
Insulation Resistance	200 megohms minimum
Operating Temperature	-30° C. to +105° C.
Immersion, Polyamide Overmold	1 meter water immersion for 1 Hour per MIL-STD-810 Method 512
Solvent Resistance, Polyamide Overmold	Excellent resistance to most solvents, fuels, and oils; poor resistance to Strong acids and bipolar solvents (alcohol)
Immersion, Polyurethane Overmold	2500 psi
Solvent Resistance, Polyurethane Overmold	Excellent
Shielding Effectiveness	50 dB minimum from 100MHz to 1000MHz.
Cable jacket Flammability and Toxicity	Toxicity Index 3.9 per NES 713 Oxygen Index 28% per ASTM D-2863 Smoke Index 24 per NES 711

Dimensions in inches (millimeters) and are subject to change without notice.

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Series 802 "Aqua Mouse" Submersible Overmolded Cordset Ordering Information

802-019, 802-022, 802-032, 802-033

SERIES 802 CORDSETS WITH SIZE #23 CONTACTS

Sample Part Number								
802-019	-A	N	2	Z1	9-19	N	A	-48
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
802-019 Overmolded Cordset, Size #23 Contacts, Shielded, with Polyamide Overmold , 1 Meter Immersion	-A Plug, with Male Pin Contacts -B Plug, with Female Socket Contacts	A Plug, with Male Pin Contacts B Plug, with Female Socket Contacts	2 #22 AWG 4 #24 AWG	Z1 Stainless Steel Shell / Passivated, with marine bronze coupling nut ZM Stainless Steel Shell / Electroless Nickel Plated, with marine bronze coupling nut AB Marine Bronze Shell and Coupling Nut / Unplated	5-3 6-4 6-7 6-6 7-10 8-13 9-19 10-26 12-37 14-55 15-85	P Metal Protective Covers Included N No Covers Supplied	A Pos. A (Normal) B Pos. B C Pos. C D Pos. D	Overall Length In Inches 12 Inch Min.
802-022 Overmolded Cordset, Size #23 Contacts, Shielded, with Thermoset Polyurethane Overmold , 2500 PSI Rated	-C Receptacle, with Male Pin Contacts -D Receptacle, with Female Socket Contacts	C Receptacle, with Male Pin Contacts D Receptacle, with Female Socket Contacts	N No Connector (Single-Ended)	Z1 Stainless Steel Shell / Passivated, with marine bronze coupling nut ZM Stainless Steel Shell / Electroless Nickel Plated, with marine bronze coupling nut AB Marine Bronze Shell and Coupling Nut / Unplated	5-3 6-4 6-7 6-6 7-10 8-13 9-19 10-26 12-37 14-55 15-85	P Metal Protective Covers Included N No Covers Supplied	A Pos. A (Normal) B Pos. B C Pos. C D Pos. D	Overall Length In Inches 12 Inch Min.

SERIES 802 CORDSETS WITH SIZE #20HDCONTACTS

Sample Part Number								
802-032	-A	N	0	Z1	9-210	N	A	-48
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
802-032 Overmolded Cordset, Size #23 Contacts, Shielded, with Polyamide Overmold , 1 Meter Immersion	-A Plug, with Male Pin Contacts -B Plug, with Female Socket Contacts	A Plug, with Male Pin Contacts B Plug, with Female Socket Contacts	0 #20 AWG 2 #22 AWG	Z1 Stainless Steel Shell / Passivated, with marine bronze coupling nut ZM Stainless Steel Shell / Electroless Nickel Plated, with marine bronze coupling nut AB Marine Bronze Shell and Coupling Nut / Unplated	6-23 7-25 8-28 9-210 12-220 14-235 15-241	P Metal Protective Covers Included N No Covers Supplied	A Pos. A (Normal) B Pos. B C Pos. C D Pos. D	Overall Length In Inches 12 Inch Min.
802-033 Overmolded Cordset, Size #23 Contacts, Shielded, with Thermoset Polyurethane Overmold , 2500 PSI Rated	-C Receptacle, with Male Pin Contacts -D Receptacle, with Female Socket Contacts	C Receptacle, with Male Pin Contacts D Receptacle, with Female Socket Contacts	N No Connector (Single-Ended)	Z1 Stainless Steel Shell / Passivated, with marine bronze coupling nut ZM Stainless Steel Shell / Electroless Nickel Plated, with marine bronze coupling nut AB Marine Bronze Shell and Coupling Nut / Unplated	6-23 7-25 8-28 9-210 12-220 14-235 15-241	P Metal Protective Covers Included N No Covers Supplied	A Pos. A (Normal) B Pos. B C Pos. C D Pos. D	Overall Length In Inches 12 Inch Min.

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Series 802 Aqua Mouse Submersible Overmolded Cordset Ordering Information

802-026, 802-027, 802-028, 802-029



SERIES 802 CORDSETS WITH SIZE #16 CONTACTS

Sample Part Number

802-028	-A	N	6	Z1	9-4	N	A	-48
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
802-026 Overmolded Cordset, Size #16 Contacts, Shielded, with Polyamide Overmold , 1 Meter Immersion	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	6 #16 AWG	Z1 Stainless Steel Shell / Passivated, with marine bronze coupling nut	6-1 8-2 9-4 10-5 12-7 14-12 15-14	P Metal Protective Covers Included	A Pos. A (Normal)	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	8 #18 AWG	ZM Stainless Steel Shell / Electroless Nickel Plated, with marine bronze coupling nut	N No Covers Supplied	B Pos. B		
802-028 Overmolded Cordset, Size #16 Contacts, Shielded, with Thermoset Polyurethane Overmold , 2500 PSI Rated	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		AB Marine Bronze Shell and Coupling Nut / Unplated			C Pos. C	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts	N No Connector (Single-Ended)				D Pos. D	

SERIES 802 CORDSETS WITH SIZE #12 CONTACTS

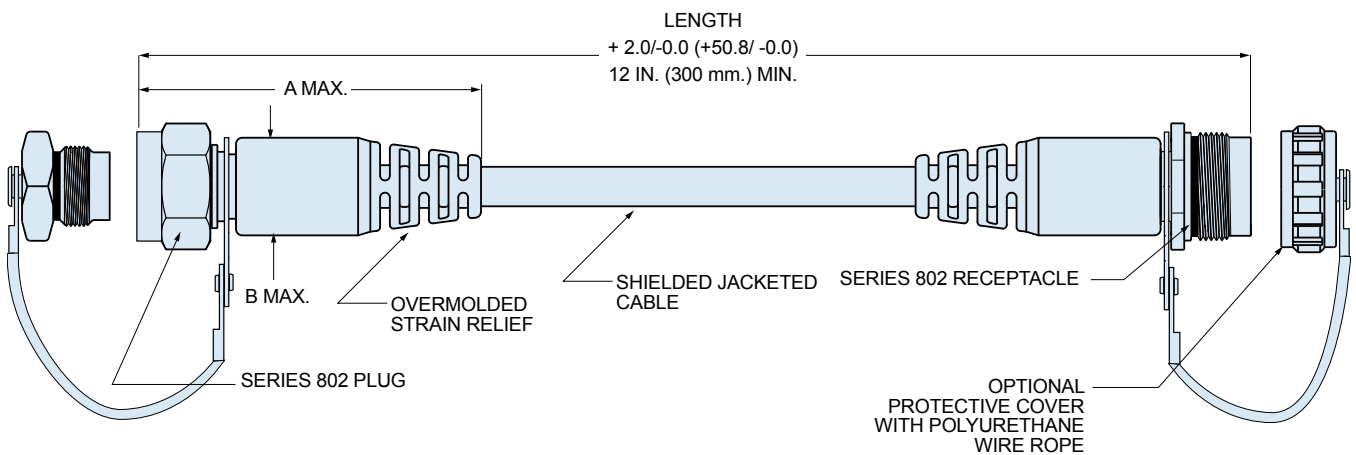
Sample Part Number

802-027	-A	C	2	Z1	10-2	N	A	-48
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
802-027 Overmolded Cordset, Size #12 Contacts, Shielded, with Polyamide Overmold , 1 Meter Immersion	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	2 #12 AWG	Z1 Stainless Steel Shell / Passivated, with marine bronze coupling nut	7-1 10-2 12-2 12-3 14-5 15-7	P Metal Protective Covers Included	A Pos. A (Normal)	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	4 #14 AWG	ZM Stainless Steel Shell / Electroless Nickel Plated, with marine bronze coupling nut	N No Covers Supplied	B Pos. B		
802-029 Overmolded Cordset, Size #12 Contacts, Shielded, with Thermoset Polyurethane Overmold , 2500 PSI Rated	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		AB Marine Bronze Shell and Coupling Nut / Unplated			C Pos. C	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts	N No Connector (Single-Ended)				D Pos. D	

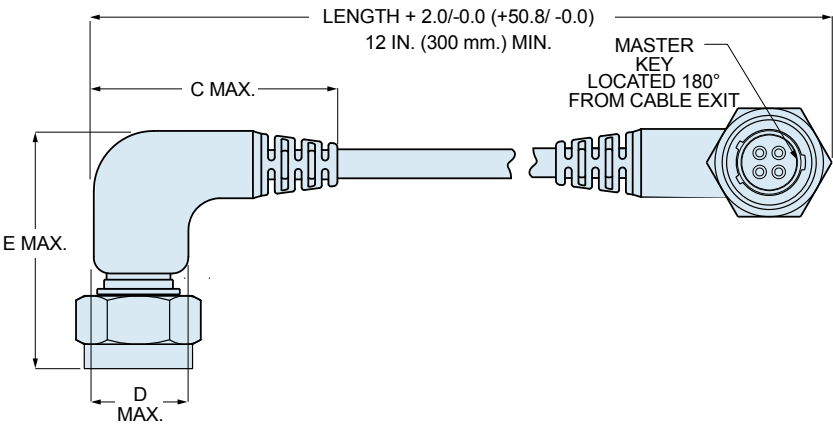
Dimensions in inches (millimeters) and are subject to change without notice.



Series 802 Aqua Mouse Submersible Overmolded Cordset Dimensions



RIGHT ANGLE CORDSETS



How To Order Right Angle Cordsets
 Insert the letter "R" after the End A or End B Connector letter designator.
Example
 Straight cable 802-019-AC4Z16-4PA-72
 Right Angle 802-019-ARCR4Z16-4PA-72

DIMENSIONS

Shell Size	A Max.		B Max.		C Max.		D Max.		E Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
5	2.38	60.33	0.6	15.24	1.5	38.1	0.6	15.24	2.1	52.71
6	2.38	60.33	0.6	15.24	1.5	38.1	0.6	15.24	2.1	52.71
7	2.38	60.33	0.7	17.78	1.5	38.1	0.7	17.78	2.28	57.79
8	2.48	62.87	0.75	19.05	1.6	40.64	0.75	19.05	2.38	60.33
9	2.78	70.49	0.85	21.59	1.9	48.26	0.85	21.59	2.58	65.41
10	2.78	70.49	0.85	21.59	1.9	48.26	0.85	21.59	2.58	65.41
12	3.1	78.11	1.1	27.94	2.2	55.88	1.1	27.94	3.1	78.11
14	3.4	85.73	1.3	33.02	2.5	63.5	1.3	33.02	3.48	88.27
15	3.9	98.43	1.4	35.56	3	76.2	1.4	35.56	3.7	93.35

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