

802 Series Cordsets For Harsh Environments



**Series 802 Overmolded
Cordset**

Glenair's "Aqua Mouse" molded cordsets offer watertight sealing and excellent cold temperature flexibility. These cables are 100% tested and ready to use.

Two Cable Types – Standard polyamide overmolded cordsets offer good chemical resistance and are rated for one meter immersion. For maximum performance and 2500 PSI rating, choose neoprene jacket and thermoset polyurethane overmolding.

Shielded – 90% braid coverage and BAND-IT® shield termination meet EMI requirements.

Simplified Ordering, No Minimums
ASAP cordsets are made-to-order from stocked connectors and cable. Choose #22 or #24 AWG cable with standard Estane jacket for best availability.

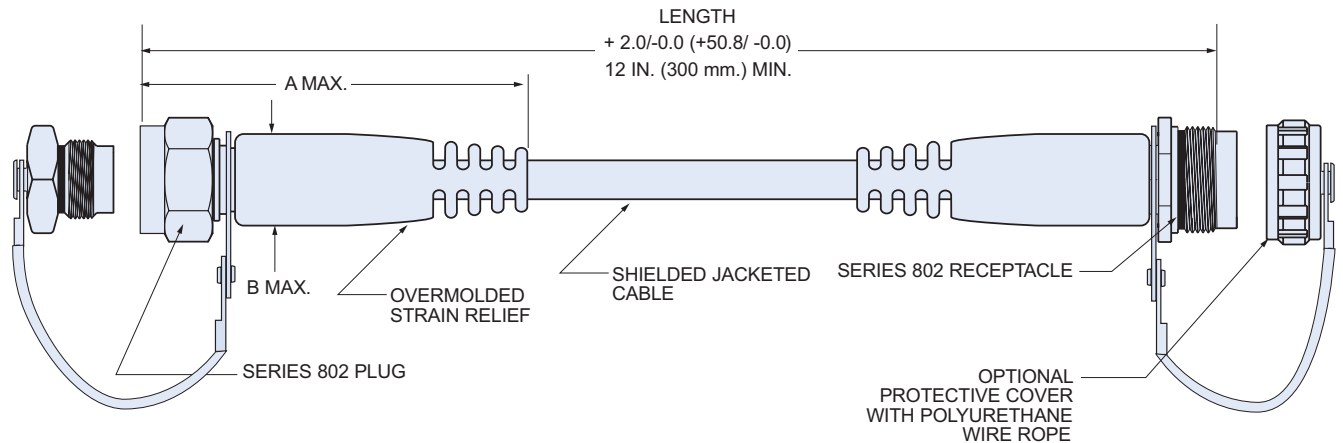
HOW TO ORDER SERIES 802 OVERMOLDED CORDSETS

Sample Part Number								
802-019	-A	C	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, Shielded, with Polyurethane Cable Jacket 1 Meter Immersion	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	2 #22 AWG (Std.)	Z1 Stainless Steel / Passivated	5-3 6-1 6-4 6-7	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 #24 AWG (Std.)	ZM Stainless Steel / Electroless Nickel Plated	7-1 7-10 8-13 9-4 9-19		B Pos. B	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts	6 #26 AWG		10-26 12-2 12-37 14-55 15-85		C Pos. C	
	D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts	8 #28 AWG				D Pos. D	
802-020 Overmolded Cordset, Shielded, with Neoprene Jacket and Polyurethane Overmolding, 2500 PSI Rated		N No Connector (Single-Ended)						

Series 802 "Aqua Mouse" 3500 PSI Rated

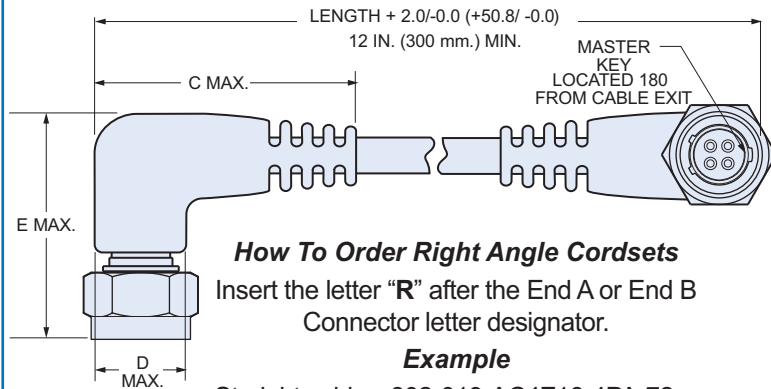


Series 800



RIGHT ANGLE CORDSETS

DIMENSIONS



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

Shell Size	A Max.		B Max.		C Max.		D Max.		E Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
5	2.000	50.80	.490	12.45	1.500	38.10	.490	12.45	1.650	41.91
6	2.500	63.50	.560	14.22	1.500	38.10	.560	14.22	1.650	41.91
7	2.500	63.50	.680	17.27	1.700	43.18	.680	17.27	1.700	43.2
8	2.500	63.50	.740	18.80	1.750	44.45	.740	18.80	1.750	44.45
9	2.500	63.50	.810	20.57	1.750	44.45	.810	20.57	1.750	44.45
10	2.750	69.85	.870	22.10	1.750	44.45	.870	22.10	1.750	44.45
12	3.000	76.20	.930	23.62	1.750	44.45	.930	23.62	1.750	44.45
14	3.500	88.90	1.120	28.45	1.750	44.45	1.120	28.45	1.750	44.45
15	3.750	95.25	1.180	29.97	2.000	50.80	1.180	29.97	2.000	50.80

SERIES 802 HARSH ENVIRONMENT CORDSET SPECIFICATIONS

Cable Jacket Material	Thermoplastic Polyurethane, Black, UL 94 V-0 Rated, or Neoprene Rubber per ASTM D2000
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
Current Rating	Up to 5 AMP Continuous Duty With #22 AWG Wire
Test Voltage (Dielectric Withstanding Voltage)	500 VAC RMS sea level, 100 VAC RMS 70,000 feet
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 (IP68). Polyurethane overmold: 2500 PSI Hydrostatic Pressure
Solvent Resistance, Polyamide Overmold	Excellent Resistance to Most Solvents, Fuels, and Oils; Poor Resistance to Strong Acids and Bipolar Solvents (Alcohol)
Electrical Resistance	(8 Milliohms Mated Contacts) + (Wire Resistance)
Shielding Effectiveness	50 dB minimum from 100MHz to 1000MHz.