

## 802 Series Cordsets For Harsh Environments



**Series 802 Overmolded  
Cordset**

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

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

**Simplified Ordering, No Minimums**

**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.

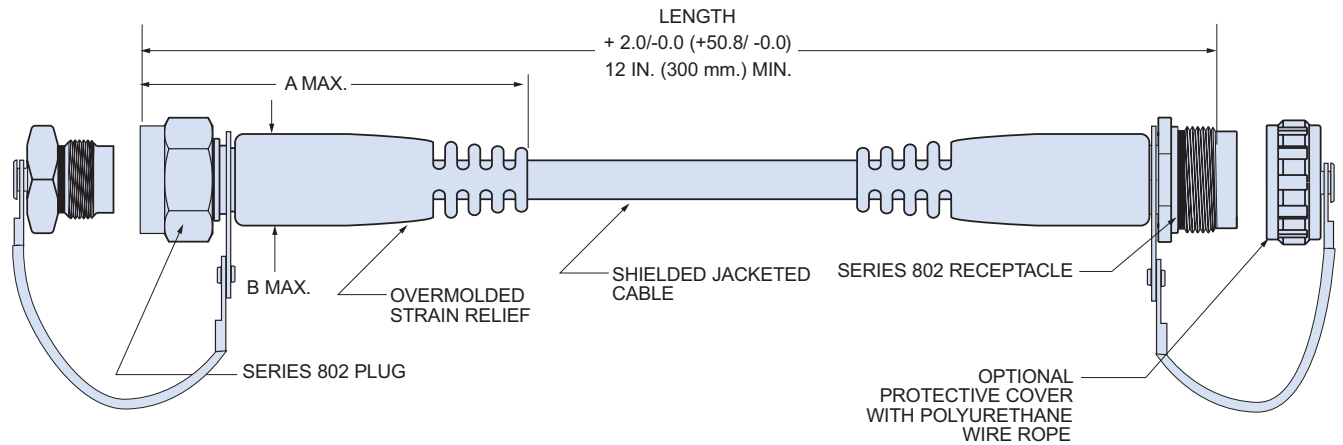
### HOW TO ORDER SERIES 802 OVERMOLDED CORDSETS

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
<b>802-019</b> Overmolded Cordset, Shielded, with Polyurethane Cable Jacket 1 Meter Immersion	<b>A</b> Plug, with Male Pin Contacts	<b>A</b> Plug, with Male Pin Contacts	<b>2</b> #22 AWG	<b>Z1</b> Stainless Steel / Passivated	<b>5-3</b>	<b>P</b> Metal Protective Covers Included	<b>A</b> Pos. A (Normal)	Overall Length In Inches 12 Inch Min.
	<b>B</b> Plug, with Female Socket Contacts	<b>B</b> Plug, with Female Socket Contacts	<b>4</b> #24 AWG (Std.)		<b>6-1</b> <b>6-4</b> <b>6-7</b> <b>7-1</b>			
<b>800-020</b> Overmolded Cordset, Shielded, with Neoprene Jacket and Polyurethane Overmolding, 2500 PSI Rated	<b>C</b> Receptacle, with Male Pin Contacts	<b>C</b> Receptacle, with Male Pin Contacts	<b>6</b> #26 AWG	<b>ZM</b> Stainless Steel / Electroless Nickel Plated	<b>7-10</b>	<b>N</b> No Covers Supplied	<b>B</b> Pos. B	
			<b>8</b> #28 AWG		<b>8-13</b>			
	<b>D</b> Receptacle, with Female Socket Contacts	<b>D</b> Receptacle, with Female Socket Contacts	<b>N</b> No Connector (Single-Ended)	<b>9-4</b>	<b>9-19</b>			
				<b>10-26</b>	<b>12-2</b> <b>12-37</b> <b>14-55</b> <b>15-85</b>			

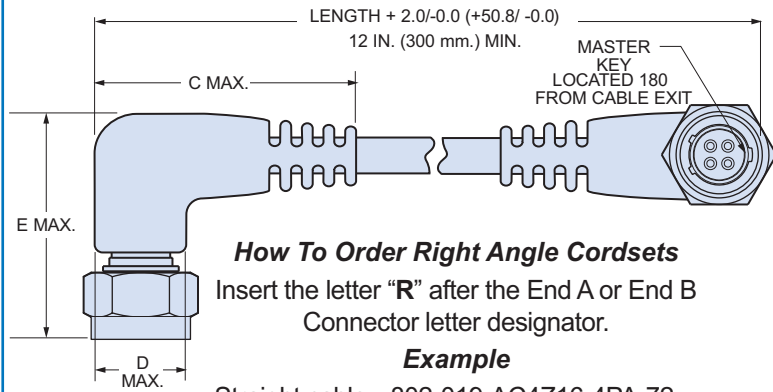
# Series 802 "Aqua Mouse" 3500 PSI Rated



Series 800



## 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	2.00	50.8	.49	12.5	1.50	38.1	.49	12.5	1.65	41.9
6	2.50	63.5	.56	15.7	1.50	38.1	.56	15.7	1.65	41.9
7	2.50	63.5	.68	17.3	1.70	43.2	.68	17.3	1.70	43.2
8	2.50	63.5	.74	18.8	1.75	44.5	.74	18.8	1.75	44.5
9	2.50	63.5	.81	20.6	1.75	44.5	.81	20.6	1.75	44.5
10	2.75	69.9	.87	22.1	1.75	44.5	.87	22.1	1.75	44.5
12	3.00	76.2	.93	23.6	1.75	44.5	.93	23.6	1.75	44.5
14	3.50	88.9	1.12	28.5	1.75	44.5	1.12	28.5	1.75	44.5
15	3.75	95.3	1.18	30.0	2.00	50.8	1.18	30.0	2.00	50.8

## 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	Nickel-Coated Copper Braid, 90% Minimum Coverage
Conductors	Silver Coated Stranded Wire, TFE Insulated, Per M22759/11
<b>BAND-IT®</b> 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
Contact Resistance	See Table I
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: 3500 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.