

## Series 801 Cordsets For Harsh Environments



Overmolded Cordset

Glenair's "Mighty Mouse" overmolded cordsets offer watertight sealing and excellent cold temperature flexibility. These cables are 100% tested and ready to use. Standard overmolded cables feature polyurethane jackets with flexible strain reliefs.

**Two Jacket Types** – standard extruded Estane polyurethane jacket resists abrasion and chemicals. Or choose low smoke / zero halogen polyurethane jackets for compliance with low toxicity regulations.

**Shielded** – These cables feature 90% tinned copper braid coverage. Shields are terminated directly to connectors with **BAND-IT®** straps.

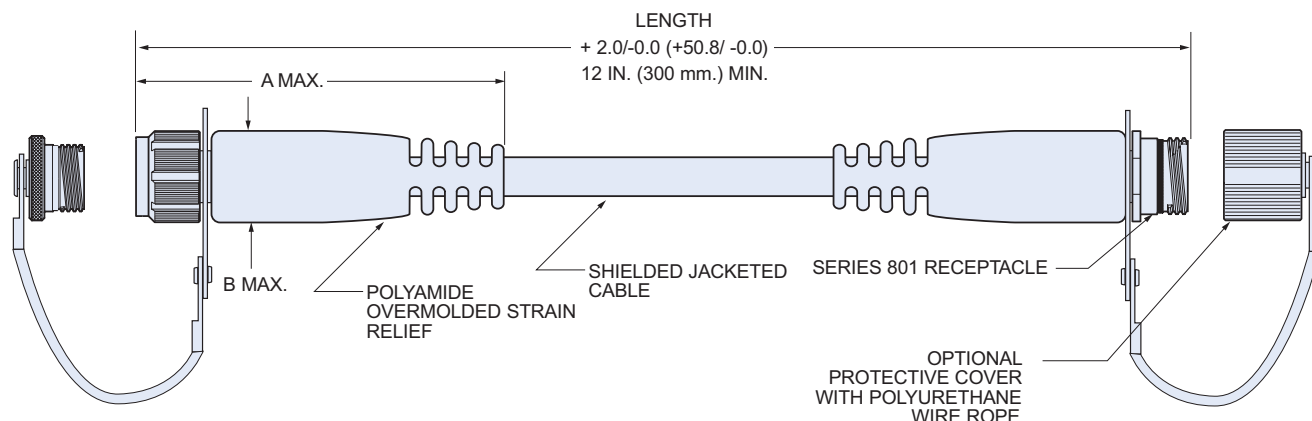
**Simplified Ordering, No Minimums**  
ASAP cordsets are made-to-order from stocked connectors and cable. Choose #22 or #24 AWG cable with standard Estane jacket for best availability.

### HOW TO ORDER

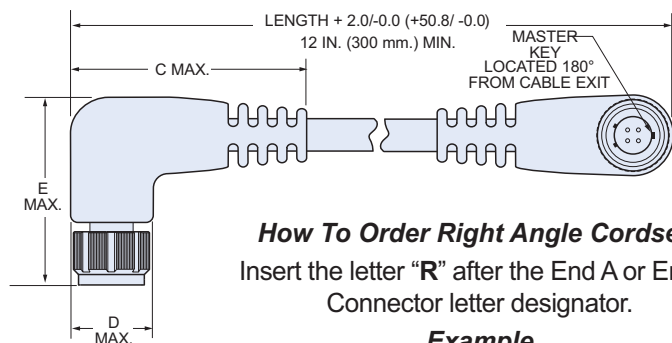
#### Sample Part Number

| 801-025                                                                                                        | -A                                                     | C                                                     | 4                      | M                                                            | 7-10                                                                     | P                                              | A              | -72                            |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------|----------------|--------------------------------|
| Series                                                                                                         | End A Connector                                        | End B Connector                                       | Wire Size              | Shell Material / Finish                                      | Insert Arr.                                                              | Protective Cover                               | Shell Key Pos. | Length                         |
| 801-025<br>Overmolded Cordset,<br>Shielded, with<br>Polyurethane<br>Cable Jacket                               | -A<br>Plug, with<br>Male Pin<br>Contacts               | A<br>Plug, with<br>Male Pin<br>Contacts               | 2<br>#22 AWG<br>(Std.) | C<br>Aluminum / Black<br>Anodize                             | 5-3<br>3 #23<br>6-4<br>4 #23<br>6-7<br>7 #23                             | P<br>Metal<br>Protective<br>Covers<br>Included | A<br>Normal    | Overall<br>Length In<br>Inches |
|                                                                                                                | -B<br>Plug, with<br>Female<br>Socket<br>Contacts       | B<br>Plug, with<br>Female<br>Socket<br>Contacts       | 4<br>#24 AWG<br>(Std.) | M<br>Aluminum /<br>Electroless<br>Nickel                     | 7-10<br>10 #23<br>8-13<br>13 #23<br>9-19<br>19 #23                       |                                                | B<br>Pos. B    | 12 Inch<br>Min.                |
|                                                                                                                | -C<br>Receptacle,<br>with<br>Male Pin<br>Contacts      | C<br>Receptacle,<br>with<br>Male Pin<br>Contacts      | 6<br>#26 AWG           | NF<br>Aluminum /<br>Cadmium with<br>Olive Drab<br>Chromate   | 10-26<br>26 #23<br>13-37<br>37 #23<br>16-55<br>55 #23<br>17-85<br>85 #23 |                                                | C<br>Pos. C    |                                |
|                                                                                                                | -D<br>Receptacle,<br>with Female<br>Socket<br>Contacts | D<br>Receptacle,<br>with Female<br>Socket<br>Contacts | 8<br>#28 AWG           | ZN<br>Aluminum / Zinc-<br>Nickel with Olive<br>Drab Chromate |                                                                          |                                                | D<br>Pos. D    |                                |
| 801-026<br>Overmolded<br>Cordset,<br>Shielded,<br>with Low<br>Smoke/ Zero<br>Halogen<br>Polyurethane<br>Jacket |                                                        | N<br>No<br>Connector<br>(Single-<br>Ended)            |                        | ZNU<br>Aluminum / Zinc-<br>Nickel with Black<br>Chromate     |                                                                          |                                                |                |                                |
|                                                                                                                |                                                        |                                                       |                        | Z1<br>Stainless Steel /<br>Passivated                        |                                                                          |                                                |                |                                |

## Series 801 "Mighty Mouse" Double-Start ACME Thread



### 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 801-025-AC4Z16-4PA-72

Right Angle 801-025-**ARC**R4Z16-4PA-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          | 2.000  | 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  | 43.18 |
| 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 |
| 13         | 3.000  | 76.20 | .930   | 23.62 | 1.750  | 44.45 | .930   | 23.62 | 1.750  | 44.45 |
| 16         | 3.500  | 88.90 | 1.120  | 28.45 | 1.750  | 44.50 | 1.120  | 28.45 | 1.750  | 44.45 |
| 17         | 3.750  | 95.25 | 1.180  | 29.97 | 2.000  | 50.80 | 1.180  | 29.97 | 2.000  | 50.80 |

### SERIES 801 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                                                              |
| <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                                                                                                    |
| Operating Temperature                          | -30° C. to +105° C.                                                                                                    |
| Immersion                                      | 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) |
| Electrical Resistance                          | (8 Milliohms Mated Contacts) + (Wire Resistance)                                                                       |
| Shielding Effectiveness                        | 50 dB minimum from 100MHz to 1000MHz.                                                                                  |
| Flammability and Toxicity (LSZH Jacket)        | Toxicity Index 3.9 per NES 713<br>Oxygen Index 28% per ASTM D-2863<br>Smoke Index 24 per NES 711                       |