

# Series 803 Mighty Mouse ¼ Turn Bayonet Coupling Overmolded ASAP Cordset Ordering Information

803-009



**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.

**Watertight Overmold** provides strain relief and protection.

## Series 803 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.

Series 801 cordsets are now available with size #20HD, #16 and #12 contacts. Ordering information is found on the following pages.

### HARSH ENVIRONMENT CORDSET SPECIFICATIONS

Cable Jacket Material	Thermoplastic Polyurethane, Black, Low-Smoke, Zero-Halogen
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	#23 5 Amps, #20HD 7.5 Amps, #16 13 Amps, #12 23 Amps
Test Voltage (Dielectric Withstanding Voltage)	#23 500 VAC, #20HD 700 VAC, #16 and #12 1800 VAC Sea Level
Insulation Resistance	200 megohms minimum
Operating Temperature	-30° C. to +105° C.
Solvent Resistance, Polyamide Overmold	Excellent Resistance to Most Solvents, Fuels, and Oils; Poor Resistance to Strong Acids and Bipolar Solvents (Alcohol)
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.

**SERIES 803 CORDSETS WITH SIZE #23 CONTACTS**

Sample Part Number								
803-009	-A	C	2	M	9-19	P	N	-72
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
803-009 Overmolded Cordset, Shielded, with Low Smoke/Zero Halogen Polyurethane Jacket, Size #23 Contacts	- A	A	2	M	5-3	P	N	Overall Length In Inches 12 Inch Min.
	Plug, with Male Pin Contacts	Plug, with Male Pin Contacts	#22 AWG	Aluminum / Electroless Nickel	6-4	Metal Protective Covers Included	Normal	
	- B	B	4	NF	6-6		X	
	Plug, with Female Socket Contacts	Plug, with Female Socket Contacts	#24 AWG	Aluminum / Cadmium with Olive Drab Chromate	6-7	N No Covers Supplied	Pos. X	
	- C	C		ZNU	7-10		Y	
Receptacle, with Male Pin Contacts	Receptacle, with Male Pin Contacts		Aluminum / Zinc-Nickel with Black Chromate	8-13	Pos. Y			
- D	D		MT	9-19	Z	Pos. Z		
Receptacle, with Female Socket Contacts	Receptacle, with Female Socket Contacts		Aluminum / Nickel-PTFE	10-26				
		N	Z1	12-37				
		No Connector (Single-Ended)	Stainless Steel / Passivated	14-55				

**SERIES 803 CORDSETS WITH SIZE #20HD CONTACTS**

Sample Part Number								
803-016	-A	C	2	M	7-25	P	N	-72
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
803-016 Overmolded Cordset, Shielded, with Low Smoke/Zero Halogen Polyurethane Jacket, Size #20HD Contacts	- A	A	0	M	6-23	P	N	Overall Length In Inches 12 Inch Min.
	Plug, with Male Pin Contacts	Plug, with Male Pin Contacts	#20 AWG	Aluminum / Electroless Nickel	7-25	Metal Protective Covers Included	Normal	
	- B	B	2	NF	8-28		X	
	Plug, with Female Socket Contacts	Plug, with Female Socket Contacts	#22 AWG	Aluminum / Cadmium with Olive Drab Chromate	9-210	N No Covers Supplied	Pos. X	
	- C	C		ZNU	12-220		Y	
Receptacle, with Male Pin Contacts	Receptacle, with Male Pin Contacts		Aluminum / Zinc-Nickel with Black Chromate	14-235	Pos. Y			
- D	D		MT		Z	Pos. Z		
Receptacle, with Female Socket Contacts	Receptacle, with Female Socket Contacts		Aluminum / Nickel-PTFE					
		N	Z1					
		No Connector (Single-Ended)	Stainless Steel / Passivated					

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**Series 803 Mighty Mouse ¼ Turn Bayonet Coupling  
Overmolded ASAP Cordset Dimensions  
803-013, 803-014**



Series 803

**SERIES 803 CORDSETS WITH SIZE #16 CONTACTS**

Sample Part Number								
803-013	-A	C	6	M	9-4	P	N	-72
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
803-013 Overmolded Cordset, Shielded, with Low Smoke/Zero Halogen Polyurethane Jacket, Size #16 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	6 #16 AWG	M Aluminum / Electroless Nickel	6-1 8-2 9-4	P Metal Protective Covers Included	N Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	8 #18 AWG	NF Aluminum / Cadmium with Olive Drab Chromate	10-5 12-7 14-12		X Pos. X	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		ZNU Aluminum / Zinc-Nickel with Black Chromate		N No Covers Supplied	Y Pos. Y	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts		MT Aluminum / Nickel-PTFE			Z Pos. Z	
		N No Connector (Single-Ended)		Z1 Stainless Steel / Passivated				

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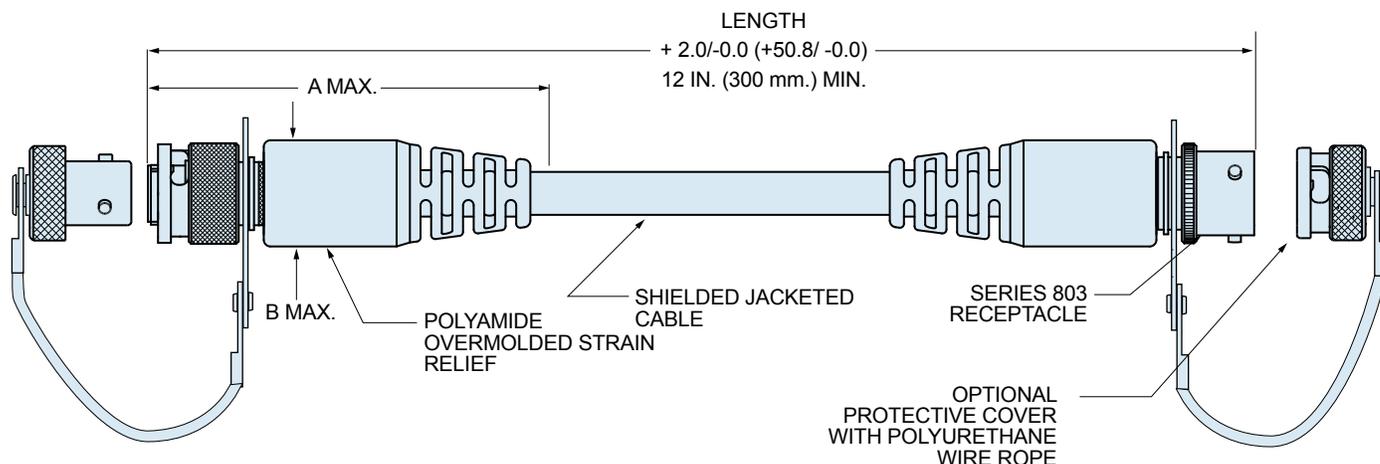
**SERIES 803 CORDSETS WITH SIZE #12 CONTACTS**

Sample Part Number								
803-014	-A	C	2	M	10-2	N	N	-72
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
803-014 Overmolded Cordset, Shielded, with Low Smoke/Zero Halogen Polyurethane Jacket, Size #12 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	2 #12 AWG	M Aluminum / Electroless Nickel	7-1 10-2 12-2	P Metal Protective Covers Included	N Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	4 #14 AWG	NF Aluminum / Cadmium with Olive Drab Chromate	12-3 14-5		X Pos. X	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		ZNU Aluminum / Zinc-Nickel with Black Chromate		N No Covers Supplied	Y Pos. Y	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts		MT Aluminum / Nickel-PTFE			Z Pos. Z	
		N No Connector (Single-Ended)		Z1 Stainless Steel / Passivated				

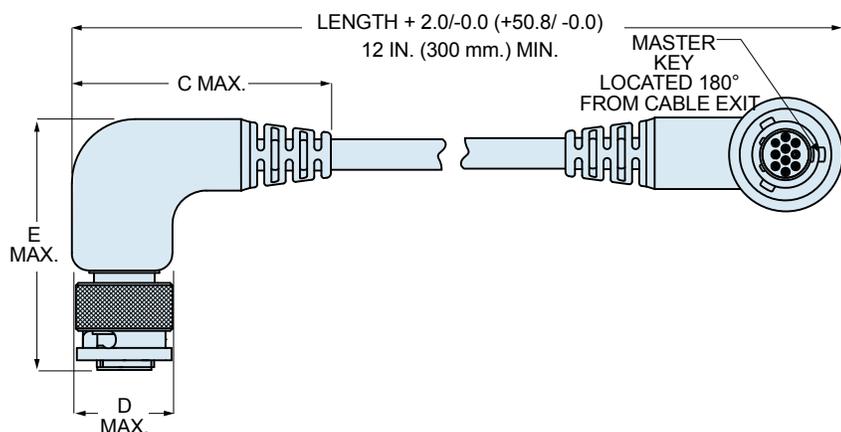
Dimensions in inches (millimeters) and are subject to change without notice.



**Series 803 Mighty Mouse ¼ Turn Bayonet Coupling  
Overmolded ASAP Cordset Dimensions  
803-009, 803-013, 803-014, 803-016**



**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 803-009-AC4M6-4PN-72  
Right Angle 803-009-ARCR4M6-4PN-72

**DIMENSIONS**

Shell Size	A Max.		B Max.		C Max.		D Max.		E Max.	
	In.	mm.								
<b>5</b>	2.15	54.61	0.6	15.24	1.5	38.1	0.6	15.24	1.85	46.99
<b>6</b>	2.15	54.61	0.6	15.24	1.5	38.1	0.6	15.24	1.85	46.99
<b>7</b>	2.15	54.61	0.7	17.78	1.5	38.1	0.7	17.78	2.05	52.07
<b>8</b>	2.25	57.15	0.8	19.05	1.6	40.64	0.8	19.05	2.15	54.61
<b>9</b>	2.55	64.77	0.9	21.59	1.9	48.26	0.9	21.59	2.35	59.69
<b>10</b>	2.55	64.77	0.9	21.59	1.9	48.26	0.9	21.59	2.35	59.69
<b>12</b>	2.85	72.39	1.1	27.94	2.2	55.88	1.1	27.94	2.85	72.39
<b>14</b>	3.15	80.01	1.3	33.02	2.5	63.5	1.3	33.02	3.25	82.55

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