

## Series 800 Mighty Mouse with UN Mating Thread Overmolded Cordsets

800-034



Series 800



**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.

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## Series 800 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 750 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.

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800-034 and 800-041

## SERIES 800 CORDSETS WITH #23 CONTACTS

Sample Part Number									
800-034	-A	C	K	0	M	8-28	N	A	-36
Series	End A Connector	End B Connector	Plug Style	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
800-034 Overmolded Cordset, with Size #23 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	K Round Knurled Coupling Nut	2 #22 AWG	M Aluminum / Electroless Nickel	5-3 6-4	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	KL Round Knurled Coupling Nut, Self-Locking	4 #24 AWG	NF Aluminum / Cadmium with OD Chromate	6-6 6-7	N No Covers Supplied	X Pos. X	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts	H Hex Coupling Nut		ZNU Aluminum / Zinc- Nickel with Black Chromate	7-10 8-13		Y Pos. Y	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts	HL Hex Coupling Nut, Self- Locking		MT Aluminum / Nickel- PTFE	9-19 10-26		Z Pos. Z	
	-N Receptacle, with Female Socket Contacts	N No Connector (Single-Ended)	N Receptacle Cable		Z1 Stainless Steel / Passivated	12-37			

## SERIES 800 CORDSETS WITH #20HD CONTACTS

Sample Part Number									
800-041	-A	C	K	0	M	8-28	N	A	-36
Series	End A Connector	End B Connector	Plug Style	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
800-041 Overmolded Cordset, with Size #23 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	K Round Knurled Coupling Nut	0 #20 AWG	M Aluminum / Electroless Nickel	6-23 7-25	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	KL Round Knurled Coupling Nut, Self-Locking	2 #22 AWG	NF Aluminum / Cadmium with OD Chromate	8-28 9-210 12-220	N No Covers Supplied	X Pos. X	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts	H Hex Coupling Nut		ZNU Aluminum / Zinc- Nickel with Black Chromate			Y Pos. Y	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts	HL Hex Coupling Nut, Self- Locking		MT Aluminum / Nickel- PTFE			Z Pos. Z	
	-N Receptacle, with Female Socket Contacts	N No Connector (Single-Ended)	N Receptacle Cable		Z1 Stainless Steel / Passivated				

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**Series 800 Mighty Mouse with UN Mating Thread  
Overmolded Cordsets**  
800-038 AND 800-039



**SERIES 800 CORDSETS WITH #16 POWER CONTACTS**

Sample Part Number									
800-038	-A	C	K	6	M	8-2	N	A	-36
Series	End A Connector	End B Connector	Plug Style	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
800-038 Overmolded Cordset, with Size #16 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	K Round Knurled Coupling Nut	6 #16 AWG	M Aluminum / Electroless Nickel	6-1 8-2	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	KL Round Knurled Coupling Nut, Self-Locking	8 #18 AWG	NF Aluminum / Cadmium with OD Chromate	9-4 10-5 12-7	N No Covers Supplied	X Pos. X	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts	H Hex Coupling Nut		ZNU Aluminum / Zinc-Nickel with Black Chromate			Y Pos. Y	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts	HL Hex Coupling Nut, Self-Locking		MT Aluminum / Nickel-PTFE			Z Pos. Z	
	N No Connector (Single-Ended)	N No Connector (Single-Ended)	N Receptacle Cable		Z1 Stainless Steel / Passivated				

**SERIES 800 CORDSETS WITH #12 POWER CONTACTS**

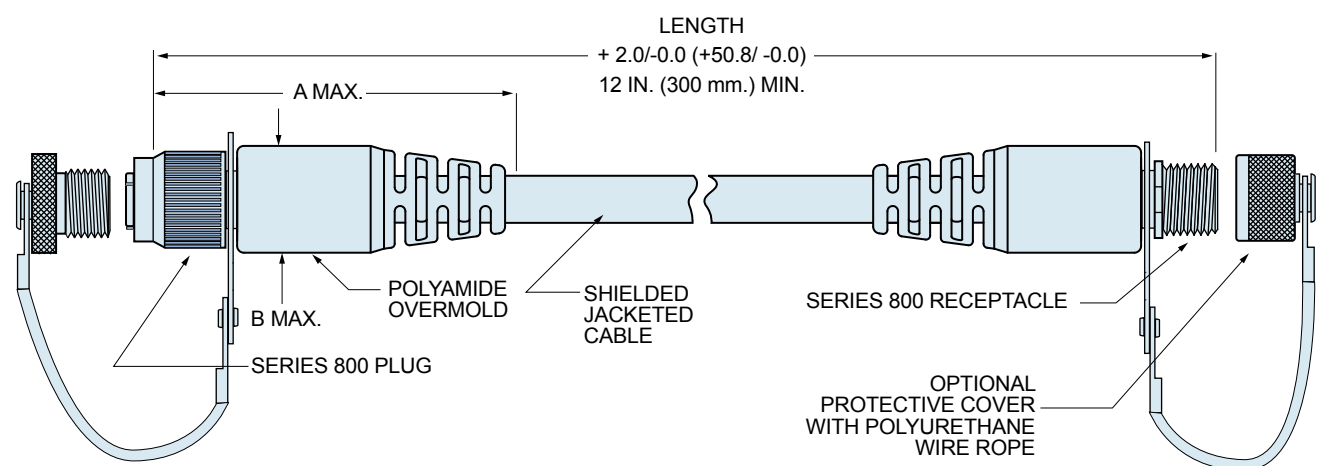
Sample Part Number									
800-039	-A	C	K	6	M	8-2	N	A	-36
Series	End A Connector	End B Connector	Plug Style	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
800-039 Overmolded Cordset, with Size #12 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	K Round Knurled Coupling Nut	2 #12 AWG	M Aluminum / Electroless Nickel	7-1 10-2	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	KL Round Knurled Coupling Nut, Self-Locking	4 #14 AWG	NF Aluminum / Cadmium with OD Chromate	12-2 12-3	N No Covers Supplied	X Pos. X	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts	H Hex Coupling Nut		ZNU Aluminum / Zinc-Nickel with Black Chromate			Y Pos. Y	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts	HL Hex Coupling Nut, Self-Locking		MT Aluminum / Nickel-PTFE			Z Pos. Z	
	N No Connector (Single-Ended)	N No Connector (Single-Ended)	N Receptacle Cable		Z1 Stainless Steel / Passivated				

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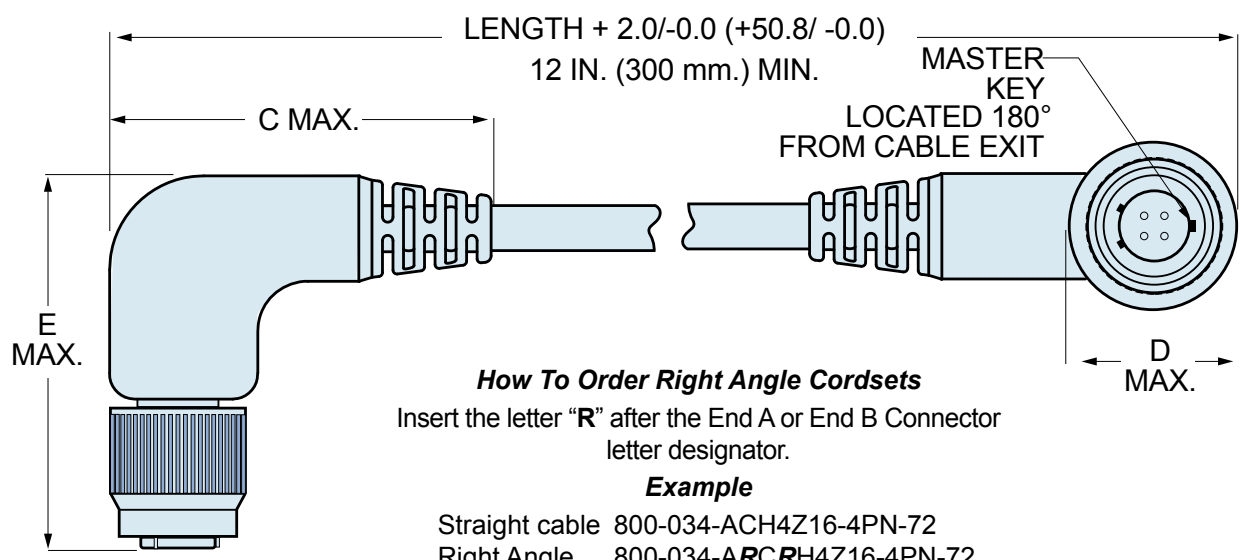


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## Dimensions



### 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 800-034-ACH4Z16-4PN-72  
 Right Angle 800-034-ARCRH4Z16-4PN-72

DIMENSIONS										
Shell Size	A Max.		B Max.		C Max.		D Max.		E Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	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	0.75	19.05	1.6	40.64	0.75	19.05	2.15	54.61
<b>9</b>	2.55	64.77	0.85	21.59	1.9	48.26	0.85	21.59	2.35	59.69
<b>10</b>	2.55	64.77	0.85	21.59	1.9	48.26	0.85	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

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