

Series 801 Mighty Mouse Double-Start ACME Threads Overmolded Cordset Ordering Information

801-026



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 801 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
BAND-IT® 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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801-026 and 801-034

SERIES 801 CORDSETS WITH #23 SIGNAL CONTACTS

Sample Part Number								
801-026	-A	C	4	M	7-10	N	A	-36
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
801-026 Overmolded Cordset, with size #23 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	#22 AWG	M Aluminum / Electroless Nickel	5-3	P Metal Protective Covers Included	A Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	4 #24 AWG	NF Aluminum / Cadmium with Olive Drab Chromate	6-4 6-7 7-10	N No Covers Supplied	B Pos. B	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		ZNU Aluminum / Zinc-Nickel with Black Chromate	8-13 9-19		C Pos. C	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts		MT Aluminum / Nickel-PTFE	10-26 13-37		D Pos. D	
		N No Connector (Single-Ended)		Z1 Stainless Steel / Passivated	16-55 17-85		E Pos. E	
							F Pos. F	

SERIES 801 CORDSETS WITH #20HD SIGNAL CONTACTS

Sample Part Number								
801-034	-A	C	0	M	7-25	N	A	-36
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
801-034 Overmolded Cordset, with size #20HD Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	#20 AWG	M Aluminum / Electroless Nickel	6-23	P Metal Protective Covers Included	A Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	2 #22 AWG	NF Aluminum / Cadmium with Olive Drab Chromate	7-25 8-28 9-210	N No Covers Supplied	B Pos. B	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		ZNU Aluminum / Zinc-Nickel with Black Chromate	13-220 16-235		C Pos. C	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts		MT Aluminum / Nickel-PTFE	17-241		D Pos. D	
		N No Connector (Single-Ended)		Z1 Stainless Steel / Passivated			E Pos. E	
							F Pos. F	

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**Series 801 Mighty Mouse Double-Start ACME Threads
Overmolded Cordset Ordering Information
801-031 and 801-032**



SERIES 801 CORDSETS WITH #16 POWER CONTACTS

Sample Part Number								
801-031	-C	D	6	Z1	13-7	P	A	-72
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
801-031 Overmolded Cordset, with Size #16 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	6 #16 AWG	M Aluminum / Electroless Nickel	6-1	P Metal Protective Covers Included	A 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	8-2 9-4 10-5 13-7 16-12 17-14	N No Covers Supplied	B Pos. B	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		ZNU Aluminum / Zinc-Nickel with Black Chromate			C Pos. C	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts		MT Aluminum / Nickel-PTFE			D Pos. D	
		N No Connector (Single-Ended)		Z1 Stainless Steel / Passivated			E Pos. E F Pos. F	

SERIES 801 CORDSETS WITH #12 POWER CONTACTS

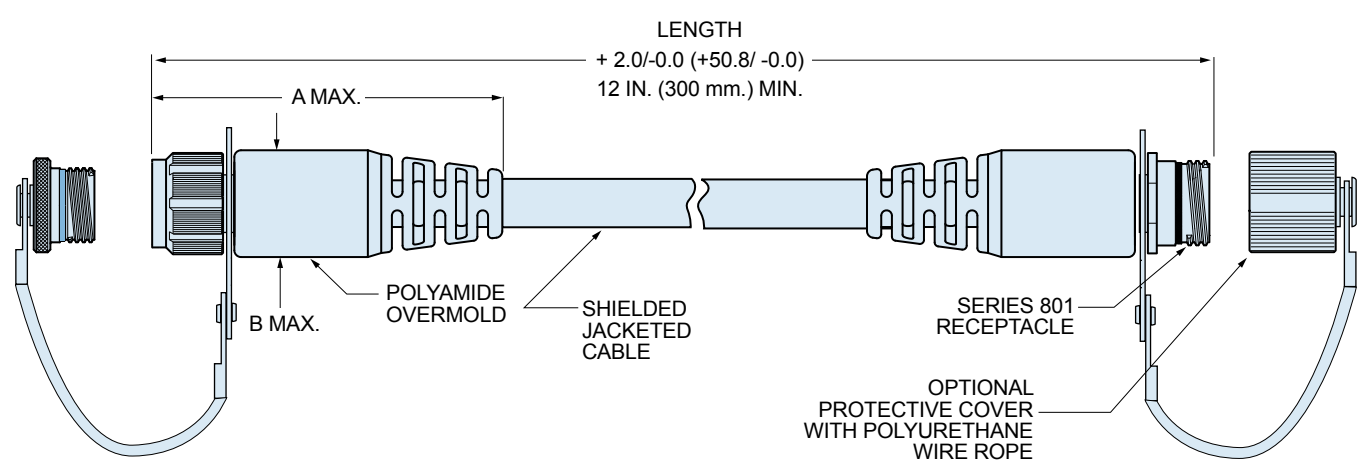
Sample Part Number								
801-032	-B	N	2	NF	17-7	N	A	-48
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
801-032 Overmolded Cordset, with Size #12 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	2 #12 AWG	M Aluminum / Electroless Nickel	7-1	P Metal Protective Covers Included	A 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	10-2 13-2 13-3 16-5 17-7	N No Covers Supplied	B Pos. B	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		ZNU Aluminum / Zinc-Nickel with Black Chromate			C Pos. C	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts		MT Aluminum / Nickel-PTFE			D Pos. D	
		N No Connector (Single-Ended)		Z1 Stainless Steel / Passivated			E Pos. E F Pos. F	

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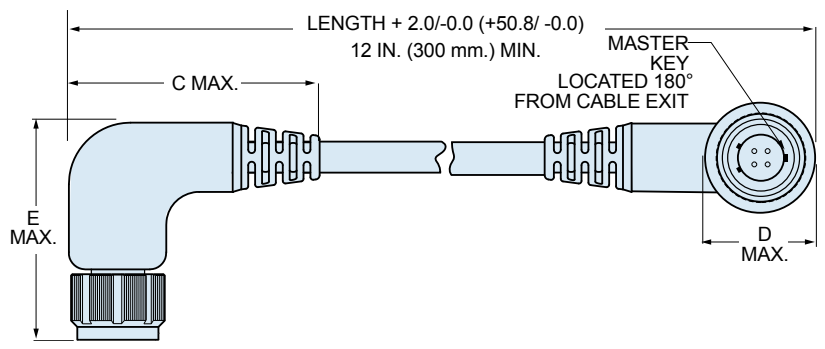


Series 801 Mighty Mouse Double-Start ACME Threads Overmolded Cordset Dimensions

D



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 801-026-AC4Z16-4PA-72
- Right Angle 801-026-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	2.2	55.88	0.6	15.24	1.5	38.1	0.6	15.24	1.9	48.26
6	2.2	55.88	0.6	15.24	1.5	38.1	0.6	15.24	1.9	48.26
7	2.2	55.88	0.7	17.78	1.5	38.1	0.7	17.78	2.1	53.34
8	2.3	58.42	0.75	19.05	1.6	40.64	0.75	19.05	2.2	55.88
9	2.6	66.04	0.85	21.59	1.9	48.26	0.85	21.59	2.4	60.96
10	2.6	66.04	0.85	21.59	1.9	48.26	0.85	21.59	2.4	60.96
13	2.9	73.66	1.1	27.94	2.2	55.88	1.1	27.94	2.9	73.66
16	3.2	81.28	1.3	33.02	2.5	63.5	1.3	33.02	3.3	83.82
17	3.7	93.98	1.4	35.56	3.0	76.2	1.4	35.56	3.5	88.90

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