



## Part Number Listing

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### Additional Capabilities

- Additional lengths or colors of the above cable assemblies can be produced. Consult factory for custom orders.
- Custom-plated contacts can be provided. Consult factory for information.

(NOTE: One meter = 39.62 inches.)

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For cable assemblies with plug on one end. Plug features contacts with Option 1 plating (gold flash over nickel).

No. of Contacts	Cable Length Meter	Black Color Cable&Overmold Catalog No.	Beige Color Cable&Overmold Catalog No.
3	1	<u>MDC-3P05</u>	<u>MDC-3P08</u>
4	1	<u>MDC-4P05</u>	<u>MDC-4P08</u>
4	2	<u>MDC-4P13</u>	<u>MDC-4P53</u>
4	3	<u>MDC-4P15</u>	<u>MDC-4P55</u>
5	1	<u>MDC-5P05</u>	<u>MDC-5P08</u>
6	1	<u>MDC-6P05</u>	<u>MDC-6P08</u>
6	2	<u>MDC-6P13</u>	<u>MDC-6P53</u>
6	3	<u>MDC-6P15</u>	<u>MDC-6P55</u>
7	1	<u>MDC-7P05</u>	<u>MDC-7P08</u>
7	2	<u>MDC-7P13</u>	<u>MDC-7P53</u>
7	3	<u>MDC-7P15</u>	<u>MDC-7P55</u>
8	1	<u>MDC-8P05</u>	<u>MDC-8P08</u>
8	2	<u>MDC-8P13</u>	<u>MDC-8P53</u>
8	3	<u>MDC-8P15</u>	<u>MDC-8P55</u>

The above cable assemblies are highly recommended for general commercial applications. Contact factory for other lengths or colors.



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## Circular Mini DIN Plugs Single-Ended Cable Assembly



### Dimensions

### Part Number Listing

### Pin Colors & Placement

### Features:

Contact positions 3, 4, 5, 6, 7, and 8.

- Pre-assembled with standard shielded cable lengths; consult factory for other lengths.
- Molded-in strain relief.
- Cable and overmold available in standard colors: black or beige.
- Contacts available with gold over nickel.
- Shielding system designed to meet FCC requirements for EMI/RFI suppression.
- UL Recognized - file E170218 (UL1977).
- CSA Certified - file LR31996-6.

### Materials:

**Plug Insulation Material:** UL 94V-0 rated nylon

**Plug Overmold Material:** PVC (black or beige)

**Cable Jacket Material:** PVC (black or beige)

**Plug Contact Material:** Phosphor bronze

**Contact Plating:** Option 1: Gold Flash over nickel underplate overall

Option 2: Option 1 plus additional gold in mating area for total thickness of 30µin.

**Shield Material:** Steel

**Shield Plating:** Nickel

**Standard Cable Composition:** Shielded cable with 0.197 inch OD jacket over 28 AWG stranded wire conductors. Contact factory for custom cable requirements.

### Mechanical:

**Durability:** Withstands 500 mating/unmating cycles

**Mating Force:** 10 lb. (4.5 kg) maximum

**Unmating Force:** 1 lb. (0.9 kg) minimum

**Contact Retention:** 3 lb. minimum

### Electrical:

**Voltage Rating:** 500 VAC RMS, 707 VDC

**Current Rating:** 1 Amp at 100 VAC - 2 Amps at 12 VDC

**Contact Resistance:** Contact to contact: 30 milliohms maximum Shield to shield: 50 milliohms maximum

**Insulation Resistance:** 500 megohms minimum at 500 VDC 100 megohms minimum after humidity

**Environmental:**

**Shock:** MIL-STD-202, Method 213, Condition C

**Operating Temperature:** -40°C to +70°C

**Heat Resistance:** 196 hrs. at 100°C

**Salt Spray:** MIL-STD-202, Method 101D, Condition D

**Vibration:** MIL-STD-202, Method 204, Condition B

**Humidity:** MIL-STD-202, Method 103, 48 hrs. at 90-95% RH at 40°C