



Part Number Listing

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.)

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.



Products :: [Misc. Commercial](#)

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