

# **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	MDC-3P05	MDC-3P08
4	1	MDC-4P05	MDC-4P08
4	2	MDC-4P13	MDC-4P53
4	3	MDC-4P15	MDC-4P55
5	1	MDC-5P05	MDC-5P08
6	1	MDC-6P05	MDC-6P08
6	2	MDC-6P13	MDC-6P53
6	3	MDC-6P15	MDC-6P55
7	1	MDC-7P05	MDC-7P08
7	2	MDC-7P13	MDC-7P53
7	3	MDC-7P15	MDC-7P55
8	1	MDC-8P05	MDC-8P08
8	2	MDC-8P13	MDC-8P53
8	3	MDC-8P15	MDC-8P55

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

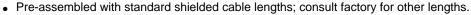
**Dimensions** 

**Part Number Listing** 

**Pin Colors & Placement** 

#### Features:

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



- · 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