

# 3M™ Power Clamp Wiremount Plug

3 mm, IDC, Wiremount, Panel Mount option

358 Series



- Easy, labor saving, and reliable IDC termination
- Easy field termination with no special tooling or wire preparation – no stripping or tinning
- Semi-Transparent color-coded covers for wire inspection and wire retention
- CC-Link communication Interconnect Standard
- One-touch latching mechanism maintains a reliable interconnection in demanding field applications and requires only one hand to easily mate and unmate
- Integrated Dust Cover also provides secure locking mechanism when mated to Wiremount Socket
- Polarization ensures proper interconnecting of mated pairs
- Quick Insertion Panel Mount option
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of [www.3M.com/Interconnects](http://www.3M.com/Interconnects) for compliance information (RIA E1 & C1 apply).

Date Modified: December 20, 2009

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## Physical

### Insulation:

Body Material: Nylon

Cover Material: Polycarbonate

Flammability: UL 94V-0

Body Color: Black

Cover Color: Clear, Yellow, Blue, Red

### Contact:

Material: Copper Alloy

### Plating:

Underplating: 2.5 µm Ni minimum

Wiping Area: 0.5 µm Au minimum

IDC Termination Area: 2.5 µm Au minimum

**Wire Accommodation:** 18 & 20 AWG: PVC, TFE, Foamed PE insulation with solid or 7 - 19 stranded Tinned or Silver Cu.

MIL-W- 16878/5 EE, MIL-W- 16878/4 E, MIL-W- 16878/1, MIL-W- 16878/2 C

CC-Link Ver 1.10 Cables

Contact 3M for additional wire accommodations

**Mating Compatability:** 355, 35T Series, 35715-L010 (with same polarization)

## Electrical

**Current Rating:** 18 AWG: 10A (1 contact); 7A (2 - 5 contacts)

20 AWG: 9A (1 contact); 6A (2 - 5 contacts)

Rating Conditions: 30° C maximum temperature rise

**Voltage Rating:** 250 V

**Insulation Resistance:** 10<sup>3</sup> MΩ min. at 600 V<sub>DC</sub>

**Withstanding Voltage:** 1,000 V<sub>RMS</sub> for 1 minute

## Environmental

**Temperature Rating:** -20°C to +75°C ambient

UL Rating: 65° C

UL File No: E68080



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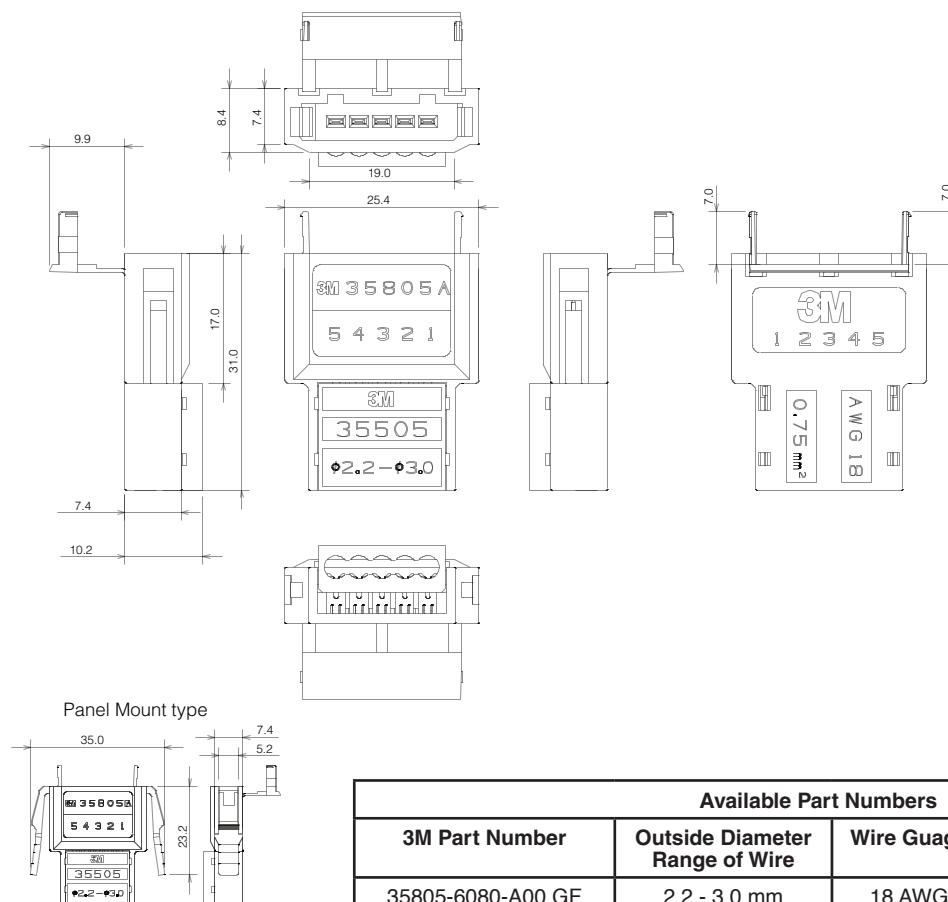
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mm  
[Inch]

Tolerance Unless Noted			
	0	.0	.00
mm	±1	±.3	±.13

[ ] Dimensions for Reference Only

Available Part Numbers				
3M Part Number	Outside Diameter Range of Wire	Wire Gauge	Cover Color	Panel Mount
35805-6080-A00 GF	2.2 - 3.0 mm	18 AWG	Clear	No
35805-6080-AP0 GF	2.2 - 3.0 mm	18 AWG	Clear	Yes
35805-6180-A00 GF	2.0 - 2.3 mm	18 AWG	Blue	No
35805-6180-AP0 GF	2.0 - 2.3 mm	18 AWG	Blue	Yes
35805-6200-A00 GF	1.6 - 2.0 mm	20 AWG	Yellow	No
35805-6200-AP0 GF	1.6 - 2.0 mm	20 AWG	Yellow	Yes
35805-6000-B0M GF*	2.2 - 3.0 mm	20 AWG	Red	No
35805-6000-BPM GF*	2.2 - 3.0 mm	20 AWG	Red	Yes

\* 35805-6000-BXM GF connects communication cable with 3 discrete and 1 drain wire. Twist drain wire 7 or more times to tighten strands and insert into wire position #5.

## Ordering Information

**35805 - 6XX0 - XXX - GF** (RIA E1 and C1 Apply)

Wire Outside Diameter:

0: 2.2 - 3.0 mm

1: 2.0 - 2.3 mm

2: 1.6 - 2.0 mm

Wire Size:

0: 20 AWG

8: 18 AWG

Option:

0: 3M Original

M: Drain Wire

Mounting Type:

0: Standard

P: Panel Mount

Polarizing Key:

A: Type A (wide)

B: Type B (narrow)

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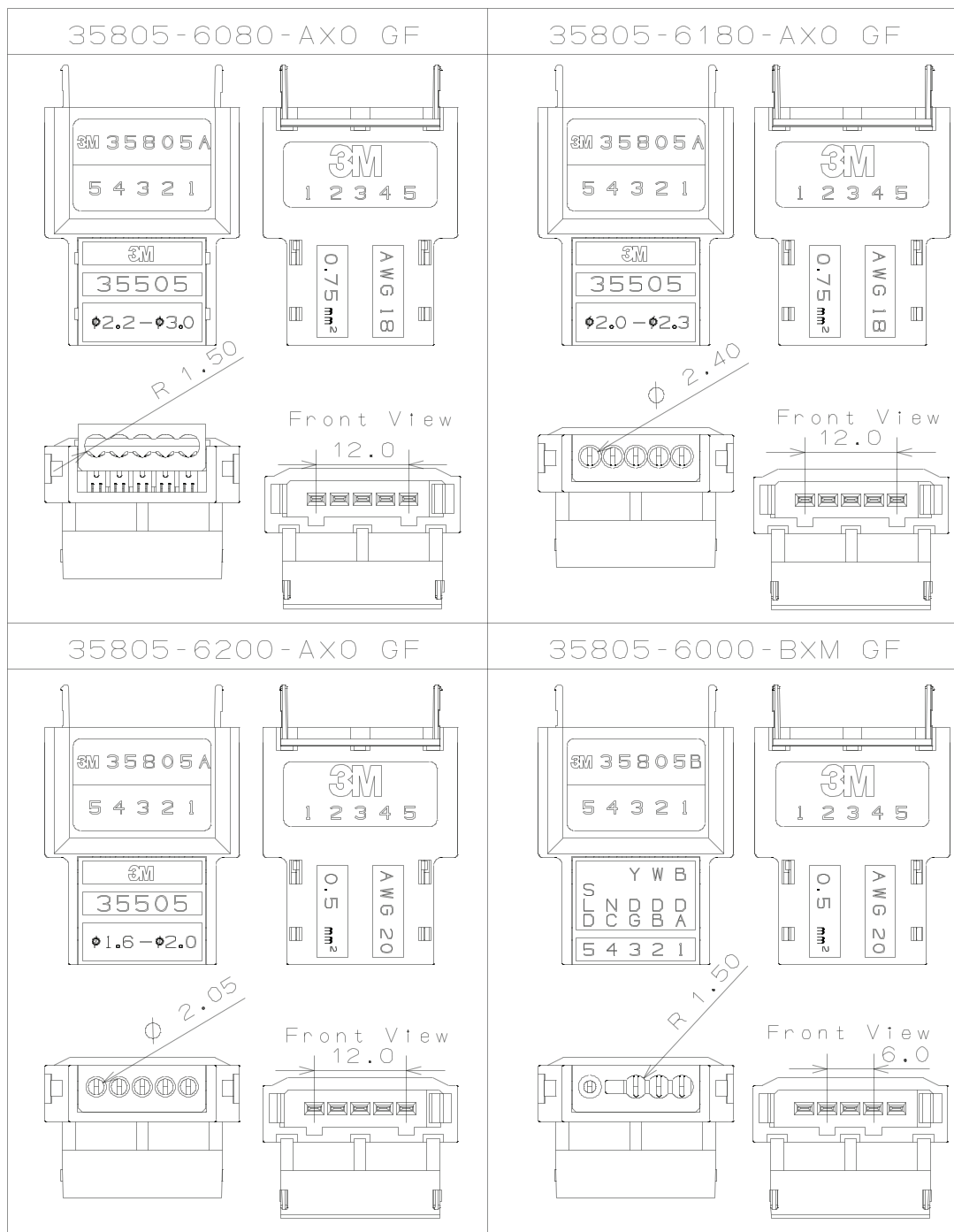
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#### **3M Electronics Solutions Division**

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