

3M™ Power Clamp Wiremount Socket

3 mm, IDC, 5 Position

355 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
- Polarization ensures proper interconnecting of mated pairs
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of 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 Ni 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 Compatibility: 356, 357, 358 Series (with same polarizations)

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: 10³ MΩ min. at 600 V_{DC}

Withstanding Voltage: 1,000 V_{RMS} for 1 minute

Environmental

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

UL Rating: 65°C

UL File No.: E68080

3M

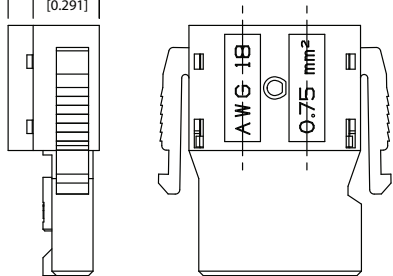
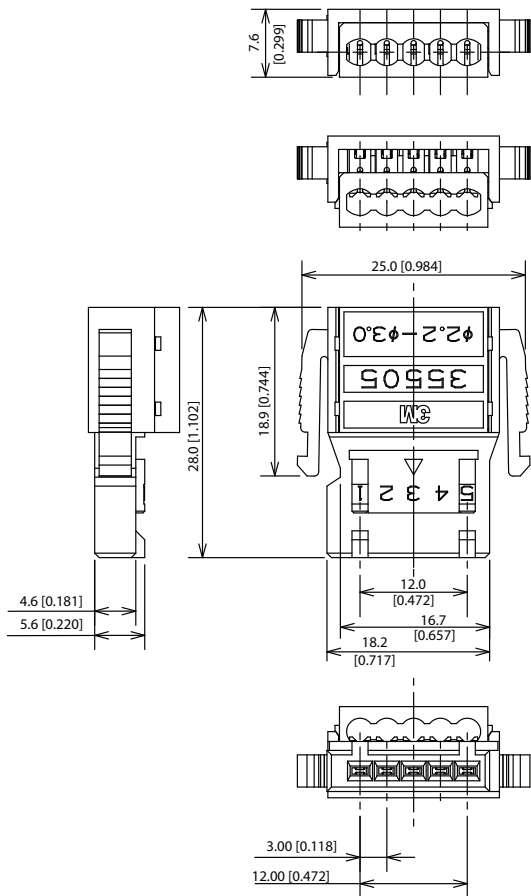
Electronic Solutions Division
Interconnect Solutions
<http://www.3M.com/interconnects/>

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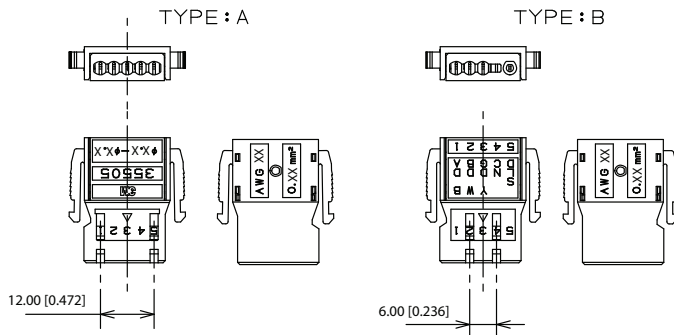
355 Series



Available Part Numbers			
3M Part Number	Outside Diameter Range of Wire	Wire Gauge	Cover Color
35505-6080-A00 GF	2.2 - 3.0 mm [.087 - .118"]	18 AWG	Clear
35505-6180-A00 GF	2.0 - 2.3 mm [.079 - .091"]	18 AWG	Blue
35505-6200-A00 GF	1.6 - 2.0 mm [.063 - .079"]	20 AWG	Yellow
35505-6000-B0M GF*	2.2 - 3.0 mm [.087 - .118"]	20 AWG	Red

*35505-6000-B0M 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.

Polarization



Tolerance Unless Noted			
	mm [Inch]		
	0	.0	.00
mm	±1	±.3	±.13

[] Dimensions for Reference Only

Metal Clip Accessory 79116-PCM-01M available for additional latching security in high demand applications.

Ordering Information

35505 - 6XX0 - X0X 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

Polarization:
 A: Type A (wide)
 B: Type B (narrow)

Option:
 0: 3M Original
 M: Drain Wire

Metal Clip Accessory: 79116-PCM-01M

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**3M Electronics Solutions Division**

6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3m.com/interconnects

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