

Push-On Push-Grip Connector



Note: Not to Scale Housing PART NUMBER PORTS 2 CS6084-000 CR2094-000 3 Port CR2095-000 4 (3 Shown) Wire Conductor(s) Fully -Inserted with 0.05-mm CR2097-000 5 Maximum Exposure CS6085-000 6



1. TERMINATION PROCEDURE

1. Strip the wire to the dimension given in Figure 2, and ensure the following:



Wire sizes, types, and strip length given must be observed in order to provide reliable electrical connection of wire to connector.

- The conductor strand or single strands are not cut or pulled during the stripping operation.
- Conductors are not nicked, bent, or splayed as shown in Figure 2.
- No conductor insulation is remaining on the stripped conductors.
- Single strands of the conductor do not protrude from the conductor bundle (no loose strands).
- The wire is inserted into the housing immediately or the conductor end is protected against contaminates and strands separating from the bundle, such as partial pull-off of insulation.

WIRE SIZE	WIRE TYPE	WIRE SIZE	WIRE TYPE	Stranded Shown; Same Applies to Solid
22 AWG	Single Strand Solid Copper	0.5 mm ²	Single Strand Solid Copper	Note: Not to Scale
	< 7 Strands Stranded		< 7 Strands Stranded	Acceptable
20 AWG	Single Strand Solid Copper	0.75 mm ²	Single Strand Solid Copper	→ 10.0±1.0 mm Strip Length
	< 10 Strands Stranded		< 7 Strands Stranded	
18 AWG	Single Strand Solid Copper	1.0 mm ²	Single Strand Solid Copper	Not Acceptable
	< 16 Strands Stranded		< 7 Strands Stranded	刀 Bent
16 AWG	Single Strand Solid Copper	1.5 mm ²	Single Strand Solid Copper	Conductor
	<u>< 26 Strands Stranded</u>		< 7 Strands Stranded	
14 AWG	Single Strand Solid Copper	2.0 mm ²	Single Strand Solid Copper	Splayed
	<u> 4 19 Strands Stranded </u>		< 7 Strands Stranded	Conductor
12 AWG	Single Strand Solid Copper	2.5 mm ²	Single Strand Solid Copper	
	< 19 Strands Stranded		< 7 Strands Stranded	Loose Strands

Figure 2

- 2. Align the conductor end(s) with a port of the housing, then insert the conductor(s) into the port until resistance to further insertion is felt. Apply force to further insert the conductor(s) into the housing and engage the spring contacts until abrupt resistance is felt. The abrupt resistance indicates that the conductor(s) are fully inserted. The conductor(s) cannot be exposed more than the dimension given in Figure 1.
- 3. Gently pull back on the wire. If the wire does not pull out of the housing, the conductor(s) has engaged the spring contacts.
- 4. Repeat steps 2 and 3 for the remaining ports.

For application requirements for the connector, refer to 114-133071.

2. REVISION SUMMARY Initial release of instruction sheet

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