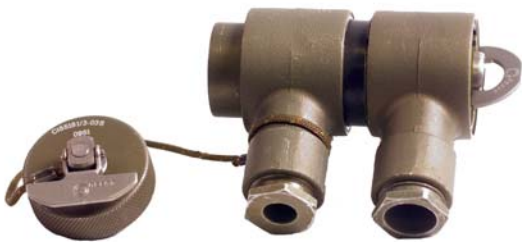




## Exclusive Military Midrange Stackable Power Connectors

Allows connection of multiple tactical radios into single M55181 power receptacle while maintaining reliability under the most severe conditions.

**COOPER** Interconnect



### Features

- Mates to standard M55181/4-01 receptacle.
- Accommodates any M55181/3 series plug from second radio, no need to retrofit existing cables.
- Robust aluminum housing, cadmium plate and olive drab chromate stand up to use in harsh environments.
- Precision contacts gold over nickel.



### Benefits

- Exclusive design allows multiple radios to draw power from a single M55181 receptacle.
- Space-saving design eliminates the need for “Y” cables or other external power splitting apparatus.
- Has same ruggedized features as QPL M55181 midrange power connectors.
- Worry-free 500 mate/unmated cycle rating.

**Solutions  
You Can  
Trust**

# Stackable Power Connectors



## Specifications

MATERIALS AND FINISHES	
<b>SHELLS</b>	
Plugs	Aluminum alloy body, steel alloy nosepiece 0.0003 cadmium plate with olive-drab chromate.
<b>CONTACTS</b>	
Socket	High-conductivity copper alloy with beryllium copper spring element, 0.000030 gold over 10-100 nickel.
Pin	Yellow brass, 0.000030 gold over 50-100 nickel.
Insulator	Glass-filled diallyl phthalate, type GDI-30 F or SDG-F.

ELECTRICAL	
<b>Dielectric Strength</b>	
4 Contacts	2000 Volts RMS.
Insulation Resistance	1000 Megohms Min. at 500 Volts DC.
<b>Voltage Drop</b>	
4 Contact	20 mV at 35 Amps.

MECHANICAL	
Air Pressure	2.5 PSI.
Water Immersion	6 ft., 48 hours.
Durability	500 cycles with a coupling torque of 25 in.-lbs.
Contact Retention	10 lbs.
Insert Strength	400 lbs.

## Mating Instructions

1. Mating to the receptacle is accomplished quickly and securely by turning the stacked M55181's drawscrew – no additional tools or fasteners needed.
2. Back cap is removed exposing the secondary receptacle interface.
3. The ground power assembly is then mated in the traditional manner to the stackable connector.

## Ordering Information - Part Numbering System\*

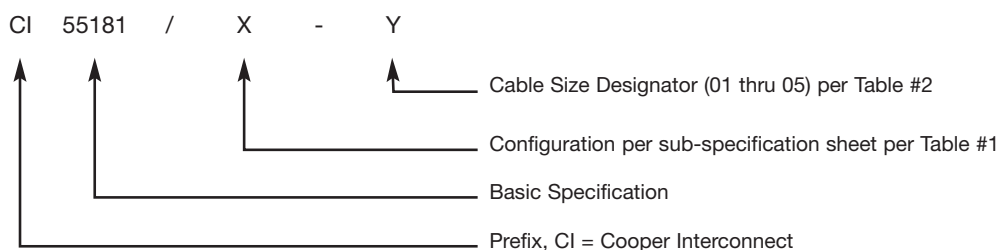


TABLE #1								
CI GENERAL PART NUMBER	"X" VALUE	TYPE	MOUNT	CONTACT NUMBER	CONTACT TYPE	AMPS	CONTACT SIZE	TERMINATION
CI55181/1- Y*	1	Plug	Cable	4	Socket	35	12	Turret

TABLE #2	
"Y" VALUE	CABLE DIAMETER (INCHES)
01	.343/.292
02	.406/.323
03	.531/.448
04	.593/.511
05	.468/.386

\*Consult factory for custom configurations.

For more information, contact [info@cooperinterconnect.com](mailto:info@cooperinterconnect.com)  
 23 Front Street, Salem, NJ 08079  
 P: 856-935-7560, ext. 232 F: 856-935-0102