

# MC3400

## MCSCC5S-OP10 (MC3400) Product Test Data



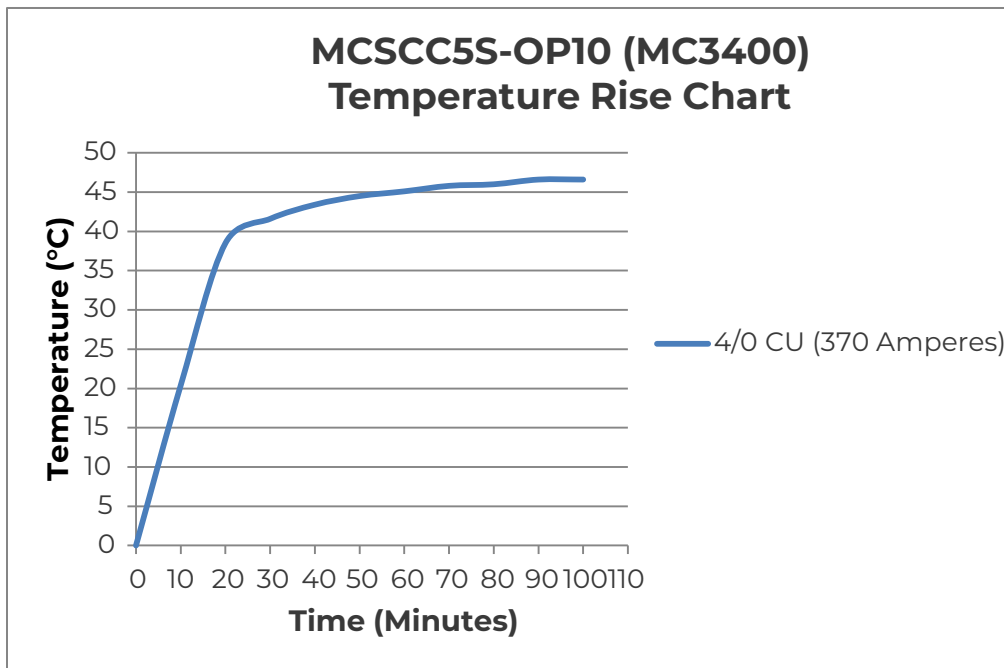
**In-House Tested to UL 486A-486B and 486D Standards**

Range: 3/0-4/0 AWG Copper
Operating Temperature 90°C
Housing Material: Fortron 1140L4 PPS
Insert Material: Cu 101
Bushing and O-ring Material: High-Temp. Silicone

Electrical		
<b>Current Rating Amperes</b>	<b>UL 486A - 486B</b>	
	Copper Conductor	
<b>3/0 AWG</b>	225	
<b>4/0 AWG</b>	260	
<b>Voltage Rating AC/DC</b>	<b>UL486A - 486B</b>	
	600V	
<b>Insulation Resistance</b>	<b>UL 486D</b>	
<b>Volts DC</b>	500	
<b>Dielectric Withstand Voltage</b>	<b>UL 486D</b>	
<b>Volts AC</b>	2,200	
<b>Average Assembled Connector Resistance Milliohms</b>		
18" 3/0 AWG Copper Conductor	0.100	
18" 4 /0 AWG Copper Conductor	0.100	
<b>UL Current Cycle Test</b>	<b>UL486A - 486B</b>	
500 1 Hour on/1 Hour off Cycles		
4/0 AWG Cu. Conductor	390 Amperes	
<b>Temperature Rise Above Ambient Constant Current (See Chart Below)</b>	<b>UL486A - 486B</b>	
4/0 AWG Copper	47.9°C	118 .2°F

<b>Direct Burial</b>		<b>UL486D</b>
Oven conditioned		113 °C 168 Hrs.
Cold Conditioned		-10 °C 2 Hrs.
Impact		1.18" Round Steel Ball dropped from 3' vertical height
Immersion		Immersed to min. depth of 1 ft. below water. 4 hr.
Dielectric withstand (no breakout)		2,200 VAC
<b>Submersion</b>		<b>UL486D</b>
Immersion		Immersed to min. depth of 6 ft. below water. 30 min.
Dielectric Withstand (no breakout)		2,200 VAC

### Temperature Rise Chart



Note 1: All ampacity ratings are based on the National Electrical Codes Allowable Ampacities of Insulated Conductors Rated 0-2,000 Volts.

Note 2: Correct Torque values must be met; not tightening the connector to the specified value found in the installation instructions may impact the performance.