

# MC1200

## MCSCC5S-MN02 (MC1200) Product Test Data



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

Range: 1/0-2/0 AWG

Operating Temperature 90°C

Housing Material: Ryton PPS

Insert Material: 6063 T6 Aluminum

Bushing and O-ring Material: High-Temp. Silicone

### Electrical

**Current Rating Amperes**

**UL 486A – 486B / NEC**

	Copper Conductor	Aluminum Conductor
<b>2/0 AWG</b>	195	150
<b>1/0 AWG</b>	170	135

**Voltage Rating AC/DC**

**UL486A - 486B**

600V

**Insulation Resistance**

**UL 486D**

500V DC

**Dielectric Withstand Voltage**

**UL 486D**

Volts AC

2,200

**Average Assembled Connector Resistance Milliohms**

18" 2/0 AWG Copper Conductor	0.100
18" 2/0 AWG Aluminum Conductor	0.100
18" 1/0 AWG Copper Conductor	0.100
18" 1/0 AWG Aluminum Conductor	0.100

**UL Current Cycle Test**

**UL486A – 486B**

500 1 Hour on/1 Hour off Cycles

2/0 AWG Al. Conductor

295 Amperes

**Temperature Rise Above Ambient Constant Current  
(See Chart Below)**

**UL486A – 486B**

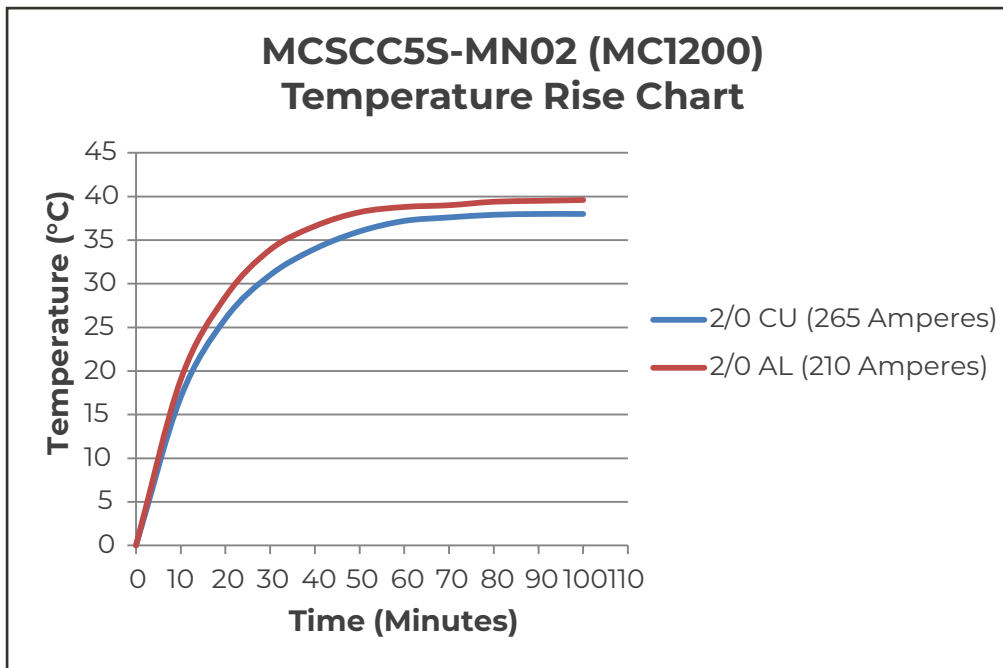
2/0 AWG Copper	38°C	100.4 °F
2/0 AWG Aluminum	39.6°C	103.3 °F

**Direct Burial****UL486D**

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

**Submersion****UL486D**

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.