

TIS 402 Addendum 1:

Additional Instructions for Splicing Lifeline® MC Cables with 350MCM Conductors Using Ceramic Standoffs



Scope

This addendum provides additional installation instructions for splicing with Lifeline® MC Cables and Jacketed LSZH MC Cables with 350MCM conductors. Most of the installation procedure of TIS 402 apply to this construction and this addendum only includes the necessary additional instructions.

Tools Needed

- 3/8 inch drill
- Two 9/16 inch wrenches

Lifeline® MC Splice Kit for 350MCM*

Contents for 1 Terminal

• 0.375" -16 X 1.75" Stainless steel stud	x1
• 0.375" -16 Nut, stainless steel	x2
• 0.375" Belleville spring washer, stainless steel 1528 lb flattening load	x1
• 0.375" x 1.0" Flat washer, stainless steel	x2
• 0.375" x 0.5" Silicone o-ring	x1
• 1" x 1.25" Grade L 5 ceramic, round, female treaded standoff	x1
• 0.375" -16 X 0.625" Stainless steel bolt	x1
• 0.375" x 0.69" Stainless steel split washer	x1
• Thomas & Betts Blackburn® copper compression connectors, straight barrel, one-hole lug, 0.375 inch bolt size	x1

* When ordering the Lifeline® MC Splice kit, please specify by **adding** the prefix **CUS** to the Part Number (Kit P/N: CUSLMC03350)

Installation

Mounting Enclosure and Ceramic Standoffs

Drill 0.375 inch mounting holes should be drilled to maintain at least 2 inches center to center spacing for all components and 1.75 inches center to enclosure spacing for ceramic standoffs.

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Lifeline MC Cable*

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Part Number	Conductor Size (AWG/MCM)	Number of Conductors	Nom. Core Diameter (in)	Nom. Armor Diameter (in)	Remke Connector (Cat. No.)	Remke Connector Hub Size (in)	Recommended Enclosure Size (IN x H x D)
LMC01350	350	1	0.98	1.35	RTKSS-125-8	1.25	12 X 12 X 6
LMC03350	350	3	2.04	2.52	RTKSS-250-19	2.5	24 x 18 x 6 or 18 x 24 x 6
LMC04350	350	4	2.26	2.72	RTKSS-250-20	2.5	24 x 18 x 6 or 18 x 24 x 6

Jacketed Lifeline MC Cable*

* When ordering the Lifeline® MC Splice kit, please specify by **adding** the prefix **CUS** to the Part Number (Kit P/N: CUSLMCJ03350)

Part Number	Conductor Size (AWG/MCM)	Number of Conductors	Nom. Core Diameter (in)	Nom. Armor Diameter (in)	Nom. Overall Cable Diameter (in)	Remke Connector (Cat. No.)	Remke Connector Hub Size (in)	Recommended Enclosure Size (IN x H x D)
LMCJ01350	350	1	0.98	1.35	1.45	RTKSS-125-8	1.25	12 X 12 X 6
LMCJ03350	350	3	2.04	2.52	2.67	RTKSS-250-19	2.5	24 x 18 x 6 or 18 x 24 x 6
LMCJ04350	350	4	2.26	2.72	2.87	RTKSS-250-20	2.5	24 x 18 x 6 or 18 x 24 x 6

Thomas & Betts Blackburn® Copper Compression Connector for 350MCM Conductor

• Use Cat Number: 256-30695-112 (Note: connectors are included in splice kit)

NEMA 4X Enclosures

Enclosure (W x H x D)	SELCO MFG Model Number	Resolve One Model Number
12 X 12 X 6	NE4X-12-12-06-BP	AB-R121206JHFX3T304HT
24 x 18 x 6 - inch	NE4X-24-18-06-BP	AB-R241806HFX3T304HT
18 x 24 x 6 - inch	NE4X-18-24-06-BP	AB-R182406HFX3T304HT