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Simpler Installation

Meets Proven Reliability

Electrical Markets

3M™ Cold Shrink QS4 Integrated Splice



The new 3M™ Cold Shrink QS4 Integrated Splice Kit is a premier offering that utilizes our field-proven 3M™ Cold Shrink QS-III Splice Body with additional features that make installation quick and easy. This exciting new product integrates all of the layers of a shielded power cable splice into one compact joint. With this splice, 3M is introducing our new easy-to-use yellow core and new re-jacketing tube. We incorporated our smooth-edged shield sock (non-fraying ends) with optional customizable ground braid.

Product Features and Benefits

Simpler Installation

Integrated Design: The challenge of installation in tight spaces can be solved with this product's shorter parking space. With few components, the installation process is simplified.

Easy-Pulling Installation Core: The new, easier-unwinding, smooth-edged yellow core provides for a simpler installation of the splice with less effort, and less wear and tear on the hands.

Efficient Re-jacketing: The QS4's integrated re-jacketing eliminates additional core and reduces the overall parking space required during installation. The yellow slider sleeve eliminates the need for messy grease to help the installation of the re-jacketing tube.

Customizable Grounding: Some configurations of the new splice come with a factory-installed ground braid that can be customized for specific application needs or work practices, reducing field prep time.

Smooth-Edged Shielding: The smooth-edged shield sock means virtually no fraying or sharp edges to deal with during installation.

Proven Reliability

Built upon 3M's field-proven QS-III Cold Shrink splice body, the QS4 splice is specifically designed for the rigors of the IEEE electrical system. Every splice is factory-tested.

Additional Features

The sock is short circuit tested for 10 cycles at 40kA.

The sock is equivalent to a 1/6 neutral on a 1000 kcmil cable or a 1/3 neutral on a 750 kcmil cable.

Cold Shrink
TECHNOLOGY
Pioneers

Kit Customization Available

3M

The Jacketed Concentric Neutral (JCN) inline splice kits below are designed for joining Jacketed Concentric Neutral (JCN) and Flat Strap Neutral power cables. The splice includes an integrated 7 AWG ground braid for attaching to an external ground wire (ground braid does not extend beyond the end of the re-jacketing after installation).

3M™ Cold Shrink QS4 Integrated Splice (JCN)



Product	UPC	Primary Insulation O.D. Range	Conductor Size	Connector
15 kV Jacketed Concentric Neutral (JCN) and Flat Strap Neutral Cables				
QS4-15-JCN-2-4/0	051128-60171	0.64 - 1.01" (16,3 - 25,7 mm)	2 - 4/0 AWG (35 - 95 mm ²)	None
QS4-15-JCN-4/0-500	051128-60173	0.84 - 1.38" (21,3 - 35,1 mm)	4/0 AWG - 500 kcmil (95 - 240 mm ²)	None
QS4-15-JCN-350-750	051128-60175	1.04 - 1.70" (26,4 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	None
QS4-15-JCN-500-1000	051128-60177	1.08 - 1.70" (27,4 - 43,2 mm)	500 - 1000 kcmil (240 - 500 mm ²)	None
25/28 kV Jacketed Concentric Neutral (JCN) and Flat Strap Neutral Cables				
QS4-25-JCN-1-250	051128-60179	0.84 - 1.36" (21,3 - 34,5 mm)	1 AWG - 250 kcmil (50 - 120 mm ²)	None
QS4-25-JCN-350-750	051128-60181	1.10 - 1.70" (27,9 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	None
QS4-25-JCN-500-1000	051128-60183	1.24 - 2.07" (31,5 - 52,6 mm)	500 - 1000 kcmil (240 - 500 mm ²)	None
35 kV Jacketed Concentric Neutral (JCN) and Flat Strap Neutral Cables				
QS4-35-JCN-1/0-350	051128-60185	1.07 - 1.70" (27,2 - 43,2 mm)	1/0 AWG - 350 kcmil (60 - 185 mm ²)	None
QS4-35-JCN-350-1000	051128-60187	1.24 - 2.07" (31,5 - 52,6 mm)	350 - 1000 kcmil (185 - 500 mm ²)	None



3M™ Cold Shrink QS4 Integrated Splice with Shearbolt Connector (JCN)

Product	UPC	Primary Insulation O.D. Range	Conductor Size	Connector
15 kV Jacketed Concentric Neutral (JCN) and Flat Strap Neutral Cables				
QS4-15JCN-QCI-2-4/0	051128-60172	0.64 - 1.01" (16,3 - 25,7 mm)	2 - 4/0 AWG (35 - 95 mm ²)	QCI 2 - 250
QS4-15JCN-QCI-4/0-500	051128-60174	0.84 - 1.38" (21,3 - 35,1 mm)	4/0 AWG - 500 kcmil (95 - 240 mm ²)	QCI 4/0 - 600
QS4-15JCN-QCI-350-750	051128-60176	1.04 - 1.70" (26,4 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	QCI 350 - 750
QS4-15JCN-QCI-500-1000	051128-60178	1.08 - 1.70" (27,4 - 43,2 mm)	500 - 1000 kcmil (240 - 500 mm ²)	QCI 500 - 1000
25/28 kV Jacketed Concentric Neutral (JCN) and Flat Strap Neutral Cables				
QS4-25JCN-QCI -1-250	051128-60180	0.84 - 1.36" (21,3 - 34,5 mm)	1 AWG - 250 kcmil (50 - 120 mm ²)	QCI 2 - 250
QS4-25JCN-QCI -350-750	051128-60182	1.10 - 1.70" (27,9 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	QCI 350 - 750
QS4-25JCN-QCI-500-1000	051128-60184	1.24 - 2.07" (31,5 - 52,6 mm)	500 - 1000 kcmil (240 - 500 mm ²)	QCI 500 - 1000
35 kV Jacketed Concentric Neutral (JCN) and Flat Strap Neutral Cables				
QS4-35JCN-QCI-1/0-350	051128-60186	1.07 - 1.70" (27,2 - 43,2 mm)	1/0 AWG - 350 kcmil (60 - 185 mm ²)	QCI 1/0 - 350
QS4-35JCN-QCI-350-750	051128-60188	1.24 - 2.07" (31,5 - 52,6 mm)	350 - 750 kcmil (185 - 325 mm ²)	QCI 350 - 750
QS4-35JCN-QCI-500-1000	051128-60189	1.24 - 2.07" (31,5 - 52,6 mm)	500 - 1000 kcmil (240 - 500 mm ²)	QCI 500 - 1000

The Shielded Power (SP) inline splice kits below are designed for joining Jacketed Concentric Neutral (JCN), Flat Strap Neutral, Tape Shield and Longitudinally Corrugated (LC) power cables. The splice includes a 4 AWG, 4 foot long integrated ground braid for attaching to an external ground (factory installed ground braid extends approximately 4 feet beyond the end of the rejacketing after installation).

3M™ Cold Shrink QS4 Integrated Splice (SP)



Product	UPC	Primary Insulation O.D. Range	Conductor Size	Connector
15 kV Jacketed Concentric Neutral (JCN), Flat Strap Neutral, Tape Shield and Longitudinally Corrugated (LC) Cables				
QS4-15SP-2-4/0-BCA	051128-60568	0.64 - 1.01" (16,3 - 25,7 mm)	2 - 4/0 AWG (35 - 95 mm ²)	None
QS4-15SP-4/0-500-BCA	051128-60570	0.84 - 1.38" (21,3 - 35,1 mm)	4/0 AWG - 500 kcmil (95 - 240 mm ²)	None
QS4-15SP-350-750-BCA	051128-60531	1.04 - 1.70" (26,4 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	None
QS4-15SP-500-1000-BCA	051128-60533	1.08 - 1.70" (27,4 - 43,2 mm)	500 - 1000 kcmil (240 - 500 mm ²)	None
25/28 kV Jacketed Concentric Neutral (JCN), Flat Strap Neutral, Tape Shield and Longitudinally Corrugated (LC) Cables				
QS4-25SP-1-250-BCA	051128-60572	0.84 - 1.36" (21,3 - 34,5 mm)	1 AWG - 250 kcmil (50 - 120 mm ²)	None
QS4-25SP-350-750-BCA	051128-60574	1.10 - 1.70" (27,9 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	None
QS4-25SP-500-1000-BCA	051128-60576	1.24 - 2.07" (31,5 - 52,6 mm)	500 - 1000 kcmil (240 - 500 mm ²)	None
35 kV Jacketed Concentric Neutral (JCN), Flat Strap Neutral, Tape Shield and Longitudinally Corrugated (LC) Cables				
QS4-35SP-1/0-350-BCA	051128-60578	1.07 - 1.70" (27,2 - 43,2 mm)	1/0 AWG - 350 kcmil (60 - 185 mm ²)	None
QS4-35SP-350-1000-BCA	051128-60580	1.24 - 2.07" (31,5 - 52,6 mm)	350 - 1000 kcmil (185 - 500 mm ²)	None



3M™ Cold Shrink QS4 Integrated Splice with Shearbolt Connector (SP)

Product	UPC	Primary Insulation O.D. Range	Conductor Size	Connector
15 kV Jacketed Concentric Neutral (JCN), Flat Strap Neutral, Tape Shield and Longitudinally Corrugated (LC) Cables				
QS4-15SP-QCI-2-4/0-BCA	051128-60569	0.64 - 1.01" (16,3 - 25,7 mm)	2 - 4/0 AWG (35 - 95 mm ²)	QCI 2 - 250
QS4-15SP-QCI-4/0-500-BCA	051128-60571	0.84 - 1.38" (21,3 - 35,1 mm)	4/0 AWG - 500 kcmil (95 - 240 mm ²)	QCI 4/0 - 600
QS4-15SP-QCI-350-750-BCA	051128-60532	1.04 - 1.70" (26,4 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	QCI 350 - 750
QS4-15SP-QCI-500-1000-BCA	051128-60534	1.08 - 1.70" (27,4 - 43,2 mm)	500 - 1000 kcmil (240 - 500 mm ²)	QCI 500 - 1000
25/28 kV Jacketed Concentric Neutral (JCN), Flat Strap Neutral, Tape Shield and Longitudinally Corrugated (LC) Cables				
QS4-25SP-QCI-1-250-BCA	051128-60573	0.84 - 1.36" (21,3 - 34,5 mm)	1 AWG - 250 kcmil (50 - 120 mm ²)	QCI 2 - 250
QS4-25SP-QCI-350-750-BCA	051128-60575	1.10 - 1.70" (27,9 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	QCI 350 - 750
QS4-25SP-QCI-500-1000-BCA	051128-60577	1.24 - 2.07" (31,5 - 52,6 mm)	500 - 1000 kcmil (240 - 500 mm ²)	QCI 500 - 1000
35 kV Jacketed Concentric Neutral (JCN), Flat Strap Neutral, Tape Shield and Longitudinally Corrugated (LC) Cables				
QS4-35SP-QCI-1/0-350-BCA	051128-60579	1.07 - 1.70" (27,2 - 43,2 mm)	1/0 AWG - 350 kcmil (60 - 185 mm ²)	QCI 1/0 - 350
QS4-35SP-QCI-350-750-BCA	051128-60581	1.24 - 2.07" (31,5 - 52,6 mm)	350 - 750 kcmil (185 - 325 mm ²)	QCI 350 - 750
QS4-35SP-QCI-500-1000-BCA	051128-60582	1.24 - 2.07" (31,5 - 52,6 mm)	500 - 1000 kcmil (240 - 500 mm ²)	QCI 500 - 1000

The Tape Shielded (TS) inline splice kits below are designed for joining Tape Shield, Wire Shield, UniShield® and Longitudinally Corrugated (LC) power cables. The splice includes a separate 7 AWG U-shaped ground braid that can be attached to the shield with a constant force spring for external grounding.

3M™ Cold Shrink QS4 Integrated Splice (TS)



Product	UPC	Primary Insulation O.D. Range	Conductor Size	Connector
15 kV Tape Shield, Wire Shield, UniShield® and Longitudinally Corrugated (LC) Cables				
QS4-15TS-2-4/0	051128-60190	0.64 - 1.01" (16,3 - 25,7 mm)	2 - 4/0 AWG (35 - 95 mm ²)	None
QS4-15TS-4/0-500	051128-60192	0.84 - 1.38" (21,3 - 35,1 mm)	4/0 AWG - 500 kcmil (95 - 240 mm ²)	None
QS4-15TS-350-750	051128-60194	1.04 - 1.70" (26,4 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	None
QS4-15TS-500-1000	051128-60196	1.08 - 1.70" (27,4 - 43,2 mm)	500 - 1000 kcmil (240 - 500 mm ²)	None
25/28 kV Tape Shield, Wire Shield, UniShield® and Longitudinally Corrugated (LC) Cables				
QS4-25TS-1-250	051128-60198	0.84 - 1.36" (21,3 - 34,5 mm)	1 AWG- 250 kcmil (50 - 120 mm ²)	None
QS4-25TS-350-750	051128-60200	1.10 - 1.70" (27,9 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	None
QS4-25TS-500-1000	051128-60202	1.24 - 2.07" (31,5 - 52,6 mm)	500 - 1000 kcmil (240 - 500 mm ²)	None
35 kV Tape Shield, Wire Shield, UniShield® and Longitudinally Corrugated (LC) Cables				
QS4-35TS-1/0-350	051128-60204	1.07 - 1.70" (27,2 - 43,2 mm)	1/0 AWG - 350 kcmil (60 - 185 mm ²)	None
QS4-35TS-350-1000	051128-60206	1.24 - 2.07" (31,5 - 52,6 mm)	350 - 1000 kcmil (185 - 500 mm ²)	None



3M™ Cold Shrink QS4 Integrated Splice with Shearbolt Connector (TS)

Product	UPC	Primary Insulation O.D. Range	Conductor Size	Connector
15 kV Tape Shield, Wire Shield, UniShield® and Longitudinally Corrugated (LC) Cables				
QS4-15TS-QCI-2-4/0	051128-60191	0.64 - 1.01" (16,3 - 25,7 mm)	2 - 4/0 AWG (35 - 95 mm ²)	QCI 2 - 250
QS4-15TS-QCI-4/0-500	051128-60193	0.84 - 1.38" (21,3 - 35,1 mm)	4/0 AWG- 500 kcmil (95 - 240 mm ²)	QCI 4/0 - 600
QS4-15TS-QCI-350-750	051128-60195	1.04 - 1.70" (26,4 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	QCI 350 - 750
QS4-15TS-QCI-500-1000	051128-60197	1.08 - 1.70" (27,4 - 43,2 mm)	500 - 1000 kcmil (240 - 500 mm ²)	QCI 500 - 1000
25/28 kV Tape Shield, Wire Shield, UniShield® and Longitudinally Corrugated (LC) Cables				
QS4-25TS-QCI-1-250	051128-60199	0.84 - 1.36" (21,3 - 34,5 mm)	1 AWG - 250 kcmil (50 - 120 mm ²)	QCI 2 - 250
QS4-25TS-QCI-350-750	051128-60201	1.10 - 1.70" (27,9 - 43,2 mm)	350 - 750 kcmil (185 - 325 mm ²)	QCI 350 - 750
QS4-25TS-QCI-500-1000	051128-60203	1.24 - 2.07" (31,5 - 52,6 mm)	500 - 1000 kcmil (240 - 500 mm ²)	QCI 500 - 1000
35 kV Tape Shield, Wire Shield, UniShield® and Longitudinally Corrugated (LC) Cables				
QS4-35TS-QCI-1/0-350	051128-60205	1.07 - 1.70" (27,2 - 43,2 mm)	1/0 AWG - 350 kcmil (60 - 185 mm ²)	QCI 1/0 - 350
QS4-35TS-QCI-350-750	051128-60207	1.24 - 2.07" (31,5 - 52,6 mm)	350 - 750 kcmil (185 - 325 mm ²)	QCI 350 - 750
QS4-35TS-QCI-500-1000	051128-60208	1.24 - 2.07" (31,5 - 52,6 mm)	500 - 1000 kcmil (240 - 500 mm ²)	QCI 500 - 1000

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