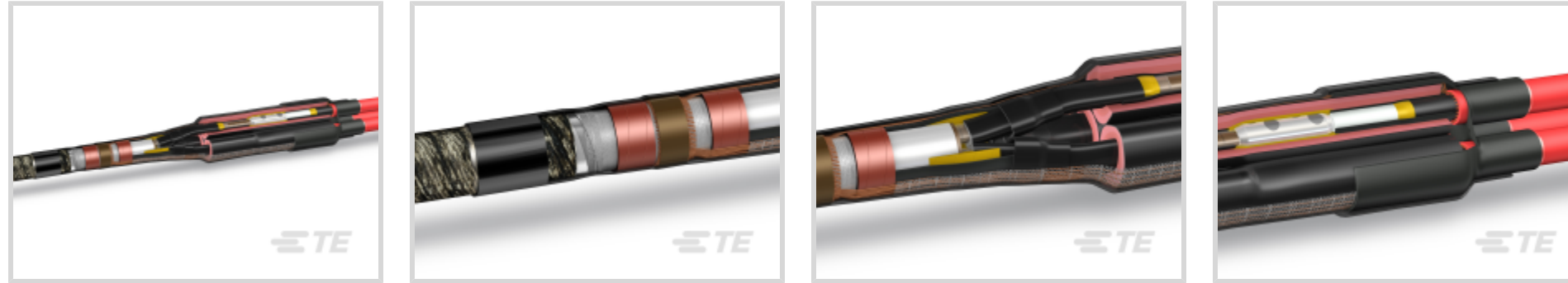


MXSU MV TRANSITION JOINTS



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Energy & Power > Power Cable Accessories > Joints & Splices



Joints & Splice Technology: **Heat Shrink**

Joint & Splice Application Type: **Transition**

Joints & Splice Product Type: **Medium Voltage Transition Joint**

Number of Cores: **1, 3**

Insulation: **Paper, Polymeric**

Features

Product Type Features

Joints & Splice Technology	Heat Shrink
Joints & Splice Product Type	Medium Voltage Transition Joint
Insulation	Paper, Polymeric
Cable Shield Style	Wire Copper
Mechanical Connectors Included	Yes
Connector Type	Mechanical
Product Family	MXSU

Configuration Features

Number of Cores	1, 3
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Electrical Characteristics

Joints & Splice Voltage Class (kV)	≤ 12, ≤ 24
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Body Features

Outer Insulation	Tube
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Housing Features

Armoring	Wire Steel
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Dimensions

Cross-Section Range (mm ²)	25 - 70, 25 - 95, 50 - 150, 70 - 120, 70 - 150, 95 - 185, 95 - 240, 150 - 240, 150 - 300, 240 - 300, 240 - 400
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Joins & Splice Insulation Diameter (mm)	12.6 - 17.2, 13.2 - 21.8, 16 - 20.4, 17 - 21.9, 17.6 - 24.5, 17.6 - 26, 17.6 - 29.4, 17.9 - 23.7, 18.5 - 26.5, 19.5 - 28.5, 20 - 26.1, 21.6 - 31.4, 22.5 - 28.5, 22.5 - 33, 24.7 - 28.6, 25 - 34.6, 25.4 - 31.7, 29.4 - 33.1, 29.4 - 38.8
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Joins & Splice Insulation Diameter (in)	.496 - .677, .519 - .858, .629 - .803, .669 - .862, .692 - .964, .692 - 1.023, .692 - 1.157, .704 - .933, .72 - 1.04, .76 - 1.12, .787 - 1.02, .85 - 1.23, .88 - 1.25, .88 - 1.29, .972 - 1.125, .984 - 1.36, 1 - 1.24, 1.15 - 1.3, 1.15 - 1.52
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Cable Cross-Section (Max) (Main) (mm ²)	95, 150, 240, 300, 400
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Cable Cross-Section (Min) (Main) (mm ²)	25, 50, 70, 95, 150, 240
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Joins & Splice Conductor Diameter (mm)	5.6 - 12, 7.7 - 15, 9.3 - 15, 11 - 19.2, 13.9 - 21.6, 17.8 - 24.6
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Joins & Splice Conductor Diameter (in)	.22 - .472, .302 - .59, .36 - .59, .433 - .755, .547 - .85, .7 - .968
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Sheath Outside Diameter (mm)	23 - 32, 24 - 38, 26 - 37, 26 - 41, 27 - 41, 29 - 43, 31 - 44, 33 - 46, 33 - 47, 36 - 46, 38 - 50, 41 - 53, 48 - 60, 49 - 58, 49 - 62, 52 - 64, 55 - 70, 58 - 72, 60 - 75, 70 - 84
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Sheath Outside Diameter (in)	.905 - 1.25, .94 - 1.48, 1.02 - 1.45, 1.02 - 1.61, 1.06 - 1.61, 1.14 - 1.69, 1.22 - 1.73, 1.29 - 1.81, 1.29 - 1.85, 1.41 - 1.81, 1.49 - 1.96, 1.61 - 2.08, 1.88 - 2.36, 1.92 - 2.28, 1.92 - 2.44, 2.04 - 2.51, 2.16 - 2.75, 2.283 - 2.83, 2.36 - 2.95, 2.75 - 3.3
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Operation/Application

Joint & Splice Application Type	Transition
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Industry Standards

Standards	HD CENELEC 629.2
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Product Availability

Joins & Splice Product Availability	AMERICAS, ANZPAC, ASIA, China, EMEA
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Packaging Features

Packaging Quantity	1
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Packaging Method	Bag
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Other

Installation Instruction	English, German
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Reference Number

TE Internal Number	CAT-MXSU-TRANS
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SEE PRODUCTS ON NEXT PAGE

Products (1 of 5)



MXSU-24A/1XU-3SB



MXSU-24C/1XU-3SB



MXSU-24C/1XU-3SB



MXSU-24A/1XU-3SB

TE Part #	A02719-005	469872-005	469872-011	A02719-011
Joints & Splice Product Availability	EMEA	EMEA	AMERICAS, ANZPAC, ASIA, China, EMEA	AMERICAS, ANZPAC, ASIA, China, EMEA
Installation Instruction	German	German	English	English
Joints & Splice Voltage Class	≤ 24 kV	≤ 24 kV	≤ 24 kV	≤ 24 kV
Cross-Section Range	25 - 70 mm ² , 25 - 95 mm ²	95 - 185 mm ² , 95 - 240 mm ²	95 - 185 mm ² , 95 - 240 mm ²	25 - 70 mm ² , 25 - 95 mm ²
Joints & Splice Insulation Diameter	17 - 21.9 mm, 17.6 - 26 mm	22.5 - 28.5 mm, 22.5 - 33 mm	22.5 - 28.5 mm, 22.5 - 33 mm	17 - 21.9 mm, 17.6 - 26 mm
Cable Cross-Section (Max) (Main)	95 mm ²	240 mm ²	240 mm ²	95 mm ²
Cable Cross-Section (Min) (Main)	25 mm ²	95 mm ²	95 mm ²	25 mm ²
Joints & Splice Conductor Diameter	5.6 - 12 mm	11 - 19.2 mm	11 - 19.2 mm	5.6 - 12 mm
Sheath Outside Diameter	24 - 38 mm, 48 - 60 mm	31 - 44 mm, 55 - 70 mm	31 - 44 mm, 55 - 70 mm	24 - 38 mm, 48 - 60 mm
EU RoHS Directive 2011/65/EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant with Exemptions	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant with Exemptions
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM MXSU	RAYCHEM MXSU	RAYCHEM MXSU	RAYCHEM MXSU

***EU RoHS Directive 2011/65/EU**

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

****EU ELV Directive 2000/53/EC**

These products comply with the substance restrictions of the End of Life Vehicles Directive 2000/53/EC (ELV). The ELV Directive requires that materials and components of vehicles do not contain mercury, cadmium, hexavalent chromium, and lead above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds.

Products (2 of 5)



MXSU-12B/1XU-3SB



MXSU-12B/1XU-3SB



MXSU-12C/1XU-3SB



MXSU-12C/1XU-3SB

TE Part #	A52542-005	A52542-011	A65373-005	A65373-011
Joints & Splice Product Availability	EMEA	AMERICAS, ANZPAC, ASIA, China, EMEA	EMEA	AMERICAS, ANZPAC, ASIA, China, EMEA
Installation Instruction	German	English	German	English
Joints & Splice Voltage Class	≤ 12 kV	≤ 12 kV	≤ 12 kV	≤ 12 kV
Cross-Section Range	70 - 120 mm ² , 70 - 150 mm ²	70 - 120 mm ² , 70 - 150 mm ²	95 - 185 mm ² , 95 - 240 mm ²	95 - 185 mm ² , 95 - 240 mm ²
Joints & Splice Insulation Diameter	16 - 20.4 mm, 17.6 - 24.5 mm	16 - 20.4 mm, 17.6 - 24.5 mm	17.6 - 29.4 mm, 17.9 - 23.7 mm	17.6 - 29.4 mm, 17.9 - 23.7 mm
Cable Cross-Section (Max) (Main)	150 mm ²	150 mm ²	240 mm ²	240 mm ²
Cable Cross-Section (Min) (Main)	70 mm ²	70 mm ²	95 mm ²	95 mm ²
Joints & Splice Conductor Diameter	9.3 - 15 mm	9.3 - 15 mm	11 - 19.2 mm	11 - 19.2 mm
Sheath Outside Diameter	26 - 37 mm, 41 - 53 mm	26 - 37 mm, 41 - 53 mm	26 - 41 mm, 49 - 58 mm	26 - 41 mm, 49 - 58 mm
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM MXSU	RAYCHEM MXSU	RAYCHEM MXSU	RAYCHEM MXSU

***EU RoHS Directive 2011/65/EU**

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Products (3 of 5)



MXSU-24B/1XU-3SB



MXSU-24B/1XU-3SB



MXSU-24E/1XU-3SB



MXSU-24E/1XU-3SB

TE Part #	A95691-005	A95691-011	CJ1958-005	CJ1958-011
Joints & Splice Product Availability	EMEA	AMERICAS, ANZPAC, ASIA, China, EMEA	EMEA	AMERICAS, ANZPAC, ASIA, China, EMEA
Installation Instruction	German	English	German	English
Joints & Splice Voltage Class	≤ 24 kV	≤ 24 kV	≤ 24 kV	≤ 24 kV
Cross-Section Range	50 - 150 mm ² , 70 - 120 mm ²	50 - 150 mm ² , 70 - 120 mm ²	240 - 300 mm ² , 240 - 400 mm ²	240 - 300 mm ² , 240 - 400 mm ²
Joints & Splice Insulation Diameter	18.5 - 26.5 mm, 19.5 - 28.5 mm	18.5 - 26.5 mm, 19.5 - 28.5 mm	29.4 - 33.1 mm, 29.4 - 38.8 mm	29.4 - 33.1 mm, 29.4 - 38.8 mm
Cable Cross-Section (Max) (Main)	150 mm ²	150 mm ²	400 mm ²	400 mm ²
Cable Cross-Section (Min) (Main)	50 mm ²	50 mm ²	240 mm ²	240 mm ²
Joints & Splice Conductor Diameter	7.7 - 15 mm	7.7 - 15 mm	17.8 - 24.6 mm	17.8 - 24.6 mm
Sheath Outside Diameter	27 - 41 mm, 49 - 62 mm	27 - 41 mm, 49 - 62 mm	38 - 50 mm, 70 - 84 mm	38 - 50 mm, 70 - 84 mm
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	Not EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant with Exemptions	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM MXSU	RAYCHEM MXSU	RAYCHEM MXSU	RAYCHEM MXSU

***EU RoHS Directive 2011/65/EU**

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Products (4 of 5)



MXSU-12E/1XU-3SB



MXSU-12E/1XU-3SB



MXSU-24D/1XU-3SB



MXSU-24D/1XU-3SB

TE Part #	CJ1959-005	CJ1959-011	D44225-005	D44225-011
Joints & Splice Product Availability	EMEA	AMERICAS, ANZPAC, ASIA, China, EMEA	EMEA	AMERICAS, ANZPAC, ASIA, China, EMEA
Installation Instruction	German	English	German	English
Joints & Splice Voltage Class	≤ 12 kV	≤ 12 kV	≤ 24 kV	≤ 24 kV
Cross-Section Range	240 - 300 mm ² , 240 - 400 mm ²	240 - 300 mm ² , 240 - 400 mm ²	150 - 240 mm ² , 150 - 300 mm ²	150 - 240 mm ² , 150 - 300 mm ²
Joints & Splice Insulation Diameter	24.7 - 28.6 mm, 25 - 34.6 mm	24.7 - 28.6 mm, 25 - 34.6 mm	25 - 34.6 mm, 25.4 - 31.7 mm	25 - 34.6 mm, 25.4 - 31.7 mm
Cable Cross-Section (Max) (Main)	400 mm ²	400 mm ²	300 mm ²	300 mm ²
Cable Cross-Section (Min) (Main)	240 mm ²	240 mm ²	150 mm ²	150 mm ²
Joints & Splice Conductor Diameter	17.8 - 24.6 mm	17.8 - 24.6 mm	13.9 - 21.6 mm	13.9 - 21.6 mm
Sheath Outside Diameter	33 - 47 mm, 58 - 72 mm	33 - 47 mm, 58 - 72 mm	33 - 46 mm, 60 - 75 mm	33 - 46 mm, 60 - 75 mm
EU RoHS Directive 2011/65/EU	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant with Exemptions	EU ELV Compliant with Exemptions	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM MXSU	RAYCHEM MXSU	RAYCHEM MXSU	RAYCHEM MXSU

***EU RoHS Directive 2011/65/EU**

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Products (5 of 5)



MXSU-12A/1XU-3SB



MXSU-12A/1XU-3SB



MXSU-12D/1XU-3SB



MXSU-12D/1XU-3SB

TE Part #	D57525-005	D57525-011	F01045-005	F01045-011
Joints & Splice Product Availability	EMEA	AMERICAS, ANZPAC, ASIA, China, EMEA	EMEA	AMERICAS, ANZPAC, ASIA, China, EMEA
Installation Instruction	German	English	German	English
Joints & Splice Voltage Class	≤ 12 kV	≤ 12 kV	≤ 12 kV	≤ 12 kV
Cross-Section Range	25 - 70 mm ² , 25 - 95 mm ²	25 - 70 mm ² , 25 - 95 mm ²	150 - 240 mm ² , 150 - 300 mm ²	150 - 240 mm ² , 150 - 300 mm ²
Joints & Splice Insulation Diameter	12.6 - 17.2 mm, 13.2 - 21.8 mm	12.6 - 17.2 mm, 13.2 - 21.8 mm	20 - 26.1 mm, 21.6 - 31.4 mm	20 - 26.1 mm, 21.6 - 31.4 mm
Cable Cross-Section (Max) (Main)	95 mm ²	95 mm ²	300 mm ²	300 mm ²
Cable Cross-Section (Min) (Main)	25 mm ²	25 mm ²	150 mm ²	150 mm ²
Joints & Splice Conductor Diameter	5.6 - 12 mm	5.6 - 12 mm	13.9 - 21.6 mm	13.9 - 21.6 mm
Sheath Outside Diameter	23 - 32 mm, 36 - 46 mm	23 - 32 mm, 36 - 46 mm	29 - 43 mm, 52 - 64 mm	29 - 43 mm, 52 - 64 mm
EU RoHS Directive 2011/65/EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM MXSU	RAYCHEM MXSU	RAYCHEM MXSU	RAYCHEM MXSU

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