



Raychem MXSE Live End Seals for Single Core Polymeric Cables up to 36kV

Raychem
from TE Connectivity

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Raychem MXSE Live End Seals for Enhanced Cable Protection

The Raychem MXSE product is designed very close to MXSU inline joint with an application range possibility from 70 to 1000 mm². No special crimping tools are required for the installation. The cable can be energized immediately after installation.

Third party damage to cable can be caused by heavy vehicles, such as excavation machinery, etc., during construction work. The live end seals allow partially installed networks to be energized, and therefore enable the detection of third party damage as soon as it occurs. The end seal protects the cable against moisture ingress.

Design and Function of the Product

The end seal is designed to fit most single core polymeric cables up to 36kV

using copper wire or tape shielding according to IEC, VDE and BS cable specs. MXSE live end seals have been designed and tested in accordance with CENELEC HD 629.1 S1 specification. The new concept is based on standard all in one MXSU inline joint kits including mechanical connector. Stress control is provided on the cable side by application of a heat shrinkable sleeve and stress grading mastic at the screen.

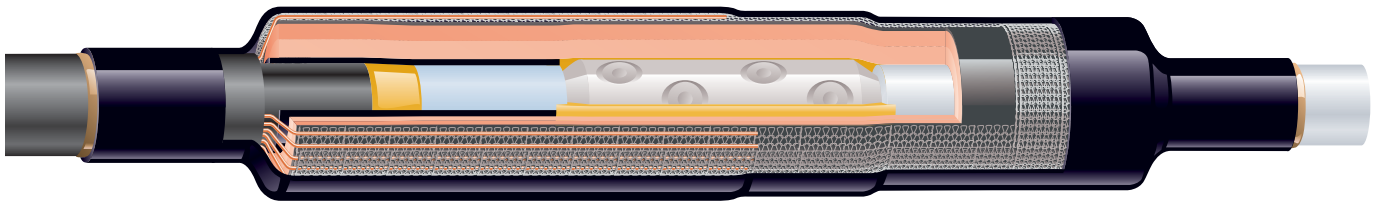
A polypropylene insulation rod is inserted into the other connector entry. Covering the connector area also with stress grading tape, the Rayfit joint body provides the appropriate and screening. Shielding is maintained by application of copper mesh around the joint body connecting the earth wires. A heavy wall sealing sleeve with integrated hot melt adhesive provides adequate sealing and outer protection.

Features

- Complete product line up to 36kV using large application ranges.
- Suitable for both, wire- and tape shielded cables.
- Installation requires no need of special tools or crimping dies.
- Design and installation basis is very close to standard MXSU joints.

Benefits

- Covers all commercial cable sizes.
- Fits most plastic single core cable types.
- Protects cable against moisture ingress.
- Enables detection of third party damage.
- Energizing can take place immediately after installation.



Application Range / Selection Table

Conductor cross-section [mm ²]	Conductor Ø [mm]	12kV Minimum cable Ø	Description	17.5 & 24kV Minimum cable Ø [mm]	Description	36kV Minimum cable Ø [mm]	Description
70 – 150	8.7 – 15.0	17.6	MXSE-3121	20.2	MXSE-5121	26.2	MXSE-6121
95 – 240	9.3 – 19.2	17.6	MXSE-3131	21.9	MXSE-5131	27.8	MXSE-6131
240 – 400	17.8 – 24.6	25.7	MXSE-3141	29.9	MXSE-5141	36.2	MXSE-6141
500	25.5 – 27.6	33.8	MXSE-3151	37.2	MXSE-5151	40.1	MXSE-6151
630	29.0 – 32.5	37.5	MXSE-3161	39.2	MXSE-5161	45.8	MXSE-6161
800	32.0 – 33.8	39.5	MXSE-3171	44.8	MXSE-5171	50.1	MXSE-6171
1000	38.5 – 39.2	45.0	MXSE-3181	49.4	MXSE-5181	55.7	MXSE-6181

Test report PPR-2827 & PPR-2912

The MXSE end seal are type tested according to Cenelec HD 629.1 S2.

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Tyco Electronics Raychem GmbH
a TE Connectivity Ltd. Company
TE Energy
Finsinger Feld 1
85521 Ottobrunn/Munich, Germany

Phone: +49-89-6089-0
Fax: +49-89-6096345

energy.te.com

