



TE CONNECTIVITY'S (TE) PXE RESIN-FILLED JOINTS

For Power and Control cables up to 0.6/1 kV

TE's PXE Resin-filled Joints

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The PXE product family forms part of a large and growing range of LV filled joints from TE Connectivity. Joints are available to cater for all common types and sizes of power distribution and control cables, including both straight and branch arrangements, accommodating all conductor connection methods.

PXE joints described here are based on TE Connectivity proven inhouse filler material technology and a range of clear, robust, snap-together joint shells.

User-friendly kits

Joint kits selected from the tables below include joint shells, two-part polyurethane or GUROFLEX-N resin in double-chamber packs for enclosed mixing, core separator, abrasive cloth tape, sealant tape and a picture-based installation instruction.

Kits are available without conductor connectors. Applicable screw or crimp connectors are available from the TE Connectivity connector range. Use of screw connectors eliminates the need for special compression/crimp tooling.



Simple installation

Installation is straightforward. The joint shells are trimmed to suit the cable size; the cable ends are prepared according to the instruction pictures; conductor connectors are fitted; the core separator is placed between the connectors; the joint shell is snapped closed over the joint and the ends are sealed; the filler material is mixed and poured. The cable can be energised immediately after installation.



Proven performance

The PXE joint range has been fully type tested to the European standard CENELEC EN 50393.



Features and benefits

Range-taking joint kits with few components for quick and simple installation:

- Clear, robust, snap-together joint shells for easy positioning and filling
- Joint Insulation, sealing and mechanical protection provided by proven two-part filler materials supplied in convenient foil packs
- Choice of filler material. GUROFLEX-N non-hazardous filler is available as an alternative to standard polyurethane RAPID filler

- Core separator to ensure adequate clearance between conductor connectors
- Easy-to-follow pictorial installation instruction
- Performance tested to European standard CENELEC EN 50393

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Choice of filter material

Proprietary GUROFLEX-N non-hazardous filler is available as an alternative to standard polyurethane. GUROFLEX-N is label-free, insensitive to installation temperature and can be removed to allow joint re-entry if required.

GUROFLEX-N is based on renewable raw materials - friendly to health and environment.



Joints filled with GUROFLEX-N and polyurethane compounds.

T-branch joints

T-branch joints are suitable for main and branch cables up to 16 mm².

These joint kits have the same features as the straight joints but do not include a core separator.



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STRAIGHT JOINTS FOR UNARMoured CABLES WITH GUROFLEX-N FILLER MATERIAL (CONNECTORS NOT INCLUDED)

Kit reference	Filler Material	Volume (l)	Application Range (mm ²)		Order Number
			min.	max.	
PXE-SU1-GD	GUROFLEX-N	0,2	3-5 x 1,5	4 x 4/5 x 2,5	CY4544-000
PXE-SU2-GD	GUROFLEX-N	0,2	3-5 x 1,5	4 x 10/5 x 6	CY4545-000
PXE-SU3-GD	GUROFLEX-N	0,35	4 x 2,5/5 x 1,5	4 x 16/5 x 10	CY4546-000
PXE-SU4-GD	GUROFLEX-N	0,55	4-5 x 4	4 x 25/5 x 16	CY4547-000
PXE-SU5-GD	GUROFLEX-N	1,2	4-5 x 10	4 x 50/5 x 25	CY4548-000
PXE-SU6-GD	GUROFLEX-N	1,7	4-5 x 25	4 x 95 (150*)	CY4549-000
PXE-SU7-GD	GUROFLEX-N	3,65	4 x 70	4 x 150 (240*)	CY4550-000

*crimp connectors

STRAIGHT JOINTS FOR UNARMoured CABLES WITH POLYURETHANE FILLER MATERIAL (CONNECTORS NOT INCLUDED)

Kit reference	Filler Material	Volume (l)	Application Range (mm ²)		Order Number
			min.	max.	
PXE-SU1-43BD	RAPID 4300B	0,2	3-5 x 1,5	4 x 4/5 x 2,5	F56283-000
PXE-SU2-43BD	RAPID 4300B	0,2	3-5 x 1,5	4 x 10/5 x 6	E20629-000
PXE-SU3-43BD	RAPID 4300B	0,35	4 x 2,5/5 x 1,5	4 x 16/5 x 10	F46377-000
PXE-SU4-43BD	RAPID 4300B	0,55	4-5 x 4	4 x 25/5 x 16	D39379-000
PXE-SU5-43BD	RAPID 4300B	1,2	4-5 x 10	4 x 50/5 x 25	E79642-000
PXE-SU6-43BD	RAPID 4300B	1,7	4-5 x 25	4 x 95 (150*)	E28567-000
PXE-SU7-43BD	RAPID 4300B	3,65	4 x 70	4 x 150 (240*)	D30339-000

*crimp connectors

T-BRANCH JOINTS FOR UNARMoured CABLES WITH GUROFLEX-N FILLER MATERIAL (CONNECTORS NOT INCLUDED)

Kit reference	Filler Material	Volume (l)	Application Range (mm ²)		Order Number
			Main cable	Branche cable	
PXE-TU1-GD	GUROFLEX	0,55	5 x 1,5-10	5 x 1,5-10	CZ5904-000
PXE-TU2-GD	GUROFLEX	1,2	5 x 6-16	5 x 6-16	CZ5905-000

T-BRANCH JOINTS FOR UNARMoured CABLES WITH POLYURETHANE FILLER MATERIAL (CONNECTORS NOT INCLUDED)

Kit reference	Filler Material	Volume (l)	Application Range (mm ²)		Order Number
			Main cable	Branche cable	
PXE-TU1-43BD	RAPID 4300B	0,55	5 x 1,5-10	5 x 1,5-10	A34127-000
PXE-TU2-43BD	RAPID 4300B	1,2	5 x 6-16	5 x 6-16	F04725-000

SWA-Kits (armour connection kit) for armoured or shielded cables are available in different sizes upon request.

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