



AnodeFlex™ 3000 Tee Splice Kit

Description

The AnodeFlex™ 3000 Tee Splice kit is designed for 3-way connections of the AnodeFlex™ 3000 anode strand and lead wire(s).

The splice consists of a heat shrinkable tee boot, factory installed over a crimped 3-way connection of anode lead wire double high-molecular-weight polyethylene insulation. Field installation of the splice simply entails crimping

AnodeFlex™ anode(s) or lead wire(s) to each of the three legs of the tee, and sealing each connection with mastic and a heat-shrinkable sleeves.

The heat-shrinkable tubing, sealant and accessories, have been specifically designed to environmentally protect the electrical connection in direct burial soil applications during the entire anode life.

The long term performance of AnodeFlex™ 3000 is conditional upon keeping the base copper conductor and electrical connection isolated from water. Only Berry Plastics designed Tee Splice kits are recommended for any 3-way combination connection to AnodeFlex™ 300 Series.

The sealing performance has been tested for over 5 years of real time accelerated tests. Our field and lifetime experience with this product now exceeds 20 years.

The heat-shrinkable components are made of a radiation-crosslinked polymer. The cable is wrapped with mastic, which flows when heated to ensure a very tight seal. When heated with a torch, or a heat gun, the sleeves shrink tightly around the anode. Once installed, the Tee Splice kit withstands the normal wear and tear of a construction environment and is extremely corrosion resistant. Impact, internal pressure and penetration resistance have all been tested following the telecommunication requirements for telephone cable splices. The installation is easy and can be completed in few minutes by a trained technician.

Contents of the Splice Kit – Tee Splice

Quantity	Description
1 each	Installation instructions.
1 each	Abrasion paper to clean the conductive polymer surface.
4 each (1 spare)	Chlorine and low pH resistant tie wraps to contain coke within fabric.
3 each	Aluminum tape covered with adhesive for use as thermal protection of AnodeFlex™ fabrics during installation.
1 each	Electrical grade sealing mastic.
3 each	Uncoated heat shrinkable tubing to cover, seal and reinforce complete splice.
1 each	Three layer Tee molded part.

Typical Kit Component Dimension for AnodeFlex™ 3000 – Tee Splice

Description	Type dimension	Requirement in mm (in)
Abrasion paper	Width x Length	50 x 150 (1.97 x 5.90)
Tie wraps	Length	170 (6.69) min.
Aluminum tape	Width x Length	50 x 150 (1.97 x 5.90)
Sealing mastic strip	Width x Thickness x Length	50 x 3 x 1400 (1.97 x 0.12 x 55.12)
Heat shrinkable tubing	Length	400 ± 10 (15.75 ± 0.39)
	Inside diameter supplied	50 (1.97) min.
	Inside diameter recovered	
	Wall thickness recovered	

Typical Product Functional Properties for AnodeFlex™ 3000 – Tee Splice

For all test methods below, see Berry Plastics specification RUD 6056 entitled Specification for Cap, Splice and Tee Sealing Splices for use with AnodeFlex™ 3000 Long Line Anode.

Properties	Conditions	Requirement
Internal pressure resistance	23°C, 1 Bar, 24 h	No leakage
External pressure resistance	23°C, 10 Bar, 24 h	No water ingress
Corrosion Resistance	23°C	Pass
Impact	23°C, 100 Nm, blunt blade	Pass with 25 kV
Penetration	23°C, 72 h, needle: diam. 1.8 mm, 2.5 kg	Pass with 25 kV

Ordering Information

Accessories	PCN	Description / Application
AFLX-3020-TEE-8-SI	676538-000	TEE splice for ANODEFLEX-3020-8-SI
AFLX-3020-TEE-6-SI	On Request	TEE splice for ANODEFLEX-3020-6-SI
AFLX-3020-TEE-8-DU	On Request	TEE splice for ANODEFLEX-3020-8-DU
AFLX-3020-TEE-6-DU	On Request	TEE splice for ANODEFLEX-3020-6-DU
AFLX-3100-TEE-8-DU	111441-000	TEE splice for ANODEFLEX-3100-8-DU
AFLX-3100-TEE-6-DU	On Request	TEE splice for ANODEFLEX-3100-6-DU
AFLX-3200-TEE-8-DU	576900-000	TEE splice for ANODEFLEX-3200-8-DU
AFLX-3200-TEE-6-DU	On Request	TEE splice for ANODEFLEX-3200-6-DU

DS-AFLX3000-TeeSplice-Rev6 FRANPCD 0068



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Berry Plastics warrants that the product(s) represented within conform(s) to its/their chemical and physical description and is appropriate for the use as stated on the respective technical data sheet when used in compliance with Berry Plastics written instructions. Since many installation factors are beyond the control of Berry Plastics, the user is obligated to determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Berry Plastics liability is stated in the standard terms and conditions of sale. Berry Plastics makes no other warranty either expressed or implied. All information contained in the respective technical data sheet(s) should be used as a guide and is subject to change without notice. This document supersedes all previous revisions. Please see revision date on the right.

Local Distributor / Representative:

For contact details of local Distributors / Representatives
Please visit www.berrycpg.com.

Headquarters

Franklin, MA, USA
Tel: +1 508 918 1714
US Toll Free: +1 800 248 0149
Fax: +1 508 918 1910
CPG@berryplastics.com

Houston, TX, USA
Tel: +1 713 676 0085
US Toll Free: +1 888 676 7202
Fax: +1 713 676 0086
CPGH@berryplastics.com

Tijuana, Mexico

Tel USA +1 858 633 9797
Fax US: +1 858 633 9740
Tel Mexico: +52 664 647 4397
Fax Mexico: +52 664 607 9105
CPGTJ@berryplastics.com

Westerlo, Belgium

Tel: +32 14 722500
Fax +32 14 722570
CPGE@berryplastics.com

Baroda, India

Tel: +91 2667 264721
Fax: +91 2667 264724
CPGIN@berryplastics.com