



## AnodeFlex™ 1500 Tee Splice Kit

### Description

The AnodeFlex™ 1500 Tee Splice kit is designed for 3-way connections of the AnodeFlex™ 1500 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 coated with a 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™ 1500 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™ 1500.

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™ 1500 – 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™ 1500 – In-Line 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™ 1500 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

Description	Part Number
AFLX-1500-01-TEE	557280-000

Berry Plastics warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the 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 shall 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 this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product.



**CORROSION PROTECTION GROUP**

[www.berrycpg.com](http://www.berrycpg.com)

Local Distributor / Representative:

For contact details of local Distributors / Representatives  
Please visit [www.berrycpg.com](http://www.berrycpg.com).

Headquarters : Berry Plastics Tapes & Coatings Division, Franklin MA, USA

**Franklin, MA, USA**

Tel: +1 508 918 1714  
US Toll Free: +1 800 248 0149  
Fax: +1 508 918 1910  
CPG@berrypastics.com

**Houston, TX, USA**

Tel: +1 713 676 0085  
US Toll Free: 01 888 676 7202  
Fax: +1 713 676 0086  
CPGH@berrypastics.com

**Tijuana, Mexico**

Tel USA +1 858 633 9797  
Fax US: +1 858 633 9740  
Tel Mexico: +52 664 647 4397  
Fax Mexico: +52 664 647 4370  
CPGTJ@berrypastics.com

**Westerlo, Belgium**

Tel. +32 14 722500  
Fax +32 14 722570  
CPGE@berrypastics.com

**Baroda, India**

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

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