



AnodeFlex™ 3000 In-Line Splice Kit

Description

The AnodeFlex™ 3000 In-Line Splice Kit is designed to connect together two AnodeFlex 3000 anode strands or AnodeFlex™ 3000 to a lead wire.

The heat-shrinkable tubing, sealant and accessories, have been specifically designed to environmentally protect the electrical connection in direct burial soil applications during the whole 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 splice kits are recommended for any connection to AnodeFlex™ 3000.

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 and anode are wrapped with mastic, which flows when heated to ensure a very tight seal. When the sleeve is heated with a torch, or a heat gun, it shrinks tightly around the anode. Once installed, the In-Line 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 – In-Line Splice Seal

Quantity	Description
1 each	Installation instructions.
1 each	Abrasion paper to clean the conductive polymer surface.
2 each	Chlorine, and low pH, resistant tie wraps to contain coke within fabric.
2 each	Aluminum tape for use as thermal protection of AnodeFlex™ fabrics during installation.
1 each	Electrical grade sealing mastic.
1 each	Uncoated heat shrinkable tubing to cover, seal and reinforce complete splice.

Typical Kit Component Dimension for AnodeFlex™ 1500 – In-Line 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 600 (1.97 x 0.12 x 23.62)
Heat shrinkable tubing	Length	400 ± 10 (15.75 ± 0.39)
	Inside diameter supplied	50 (1.97) min.
	Inside diameter recovered	16 (0.63) max.
	Wall thickness recovered	

DS-AFLX-In-Line Splice-3000-Rev2-Oct10 LEXPS-0004

Typical Product Functional Properties for AnodeFlex™ 3000 – 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™ 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

Description	Part Number	
AnodeFlex™ 3000 In-line Splice Kit	425010-000	In Line Splice can be use for AFLX 3000 series (3020, 3100 and 3200, Dual or single insulated)

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