



AnodeFlex™ 3000 End Cap Splice Kit

Product description

The AnodeFlex™ 3000 End Cap Splice kit is designed to seal the exposed end of an AnodeFlex™ 3000 anode circuit. The heat-shrinkable tubing, sealant and accessories, have been specifically designed to environmentally protect the termination 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 connections isolated from water. Only Berry Plastics designed End Splice kits are recommended for any AnodeFlex™ 3000 circuit termination. 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 cap and sleeve are heated with a torch, or a heat gun, they shrink tightly around the anode. Once installed, the End Cap 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 - End Cap Splice

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

Typical Kit Component Dimension for AnodeFlex™ 3000 - End Cap 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 250 (1.97 x 0.12 x 9.84)
End Cap	Length	57 (2.24) min.
	Inside diameter (as supplied)	22 (0.87) min.
	Inside diameter (fully recovered)	7 (0.28) max.
Heat shrinkable tubing	Length	150 ± 10 (5.90 ± 0.39)
	Inside diameter supplied	50 (1.97) min.
	Inside diameter recovered	16 (0.63) max.
	Wall thickness recovered	2 (0.079) min.

Typical Functional Properties for AnodeFlex™ 3000 - End Cap 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 End Cap Splice Kit	425010-000	End Cap Splice can be use for AFLX 3000 series (3020, 3100 and 3200 Dual or single insulated)



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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@berrypastics.com

Houston, TX, USA
Tel: +1 713 676 0085
US Toll Free: +1 888 676 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: +52 664 607 9105
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