

BUSHING CONNECTION ANIMAL COVER (BCAC)

WILDLIFE AND ASSET PROTECTION PRODUCTS

KEY FEATURES

- Reliable protection from animal-caused outages
- Fast and versatile installation
- High-performance materials for extreme durability
- Cover gripper attachment facilitates hot-stick installation from pole or bucket
- Step latching mechanism for craft-friendly installation
- REACH and RoHS compliant

TE Connectivity's (TE) Raychem BCAC hot-stickable insulating cover is designed to prevent animal caused outages on pole-top transformer equipment ranging from 15 kV to 36 kV.

TE's BCAC Insulating Cover range has been successfully eliminating outages from all types of animals for years. This cover has been designed to provide the same great protection with enhanced features.

The BCAC-5D cover uses a scissor action design to allow for live installations on bushing skirts, ranging in size from 1.7″ (43 mm) through 2.7″ (68 mm) in core diameter and 3.0″ (75 mm) through 4.75″ (120 mm) in shed diameter. The scissor action translates the force on contact with the bushing core to a rotating action that closes the cover around the bushing.

Superior high-voltage outdoor materials are used in the BCAC cover design. The rugged, non-tracking, UV-resistant polymer ensures long-term performance even in the most extreme environmental conditions.

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TE connectivity

Bushing Connection Animal Cover



TE's wildlife and asset protection products and systems of tubes, tapes, sheets, pre-formed covers and barriers provide a proven, cost-effective and easy-to-install solution to bird, animal and weather related outages.

PRODUCT PERFORMANCE

TESTING		
AC Withstand		**Wind Tunnel**
20 kV IEEE-4: 1978, no flash over		70 MPH for 10 mins, no dislodging of cover from insulator location
Physical		
Key Material Property	**Test Method**	**Material Requirements**
Tensile Strength	ATSM D638	17 MPa (2450 psi) min.
Ultimate Elongation	ASTM D638	25% min.
Electrical		
Key Material Property	**Test Method**	**Material Requirements**
Dielectric Strength	ATSM D257	150 kV/cm min. (2.5 mm)
Tracking and Erosion Resistance	ATSM D2303 Step Voltage Method (initiate at 2.5 kV)	No tracking erosion to top surface or flame failure after: 1hr at 2.5 kV 1hr at 2.75 kV 1hr at 3.00 kV 1hr at 3.25 kV 1hr at 3.5 kV







PRODUCT SELECTION INFORMATION - DIMENSIONS IN INCHES (MM)

Description	Insulator Core Range	Insulator Shed Range	Cover Height	Color	Standard Pack Size
BCAC-5D/8 (B12)	1.7 - 2.7 (43-63)	3.0 - 4.8 (75 - 122)	8.0 (203)	Red	12
BCAC-G-5D/8 (B12)	1.7 - 2.7 (43-63)	3.0 - 4.8 (75 - 122)	8.0 (203)	Gray	12
BCAC-7D/10 (B6)	1.5 - 4.25 (38 - 108)	4.0 - 6.8 (102 - 173)	10.5 (266)	Red	6
BCAC-G-7D/10 (B6)	1.5 - 4.25 (38 - 108)	4.0 - 6.8 (102 - 173)	10.5 (266)	Gray	6
BCAC-8D/14 (B6)	1.7 - 5.04 (43 - 125)	5.0 - 8.0 (125 - 203)	14.0 (355)	Red	6
BCAC-G-8D/14 (B6)	1.7 - 5.04 (43 - 125)	5.0 - 8.0 (125 - 203)	14.0 (355)	Gray	6

TECHNICAL REPORT

EDR-5339	Bushing Connection Animal Cover (BCAC-5D/8) Mechanical/Electrical Evaluation
UVR-8209	Material Test Report

INSTALLATION INSTRUCTIONS

EPP-3225-10/18	Installation Instructions for BCAC-5D/8
PII-55169	
EPP-3226-10/18	Installation instructions for BCAC-7D/10 and BCAC-8D/14
PII-55647	

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