



BUSHING CONNECTION ANIMAL COVER INSPECTION COVER (BCAC-IC)

WILDLIFE AND ASSET PROTECTION PRODUCTS

KEY FEATURES

- Visual inspection of connection and oil levels
- Conductors and leads exit easily through cover
- Robust latching and hinging mechanisms
- Fast and versatile installation
- REACH and RoHS compliant

TE Connectivity's (TE) Raychem BCAC-IC insulating cover is designed to prevent animal caused outages on breaker, transformer and pole-top transformer bushings ranging from 15 kV to 36 kV.

The BCAC-IC insulating covers have been successfully eliminating outages from all types of animals for years. This cover is designed to provide the same great protection with enhanced features.

The cover is easily installed around bushings and connections by wrapping the double hinged design around the insulator's top skirt and snapping it in place with a robust latching mechanism. The cover allows for conductors to exit out both from the top and side interfaces without the need to trim the cover. The design allows for visible inspections of oil fill levels on transformer bushings as well.

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

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.



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 | | |
| 25 kV phase to ground | | |
| Physical | | |
| Key Material Property | Specification | Results |
| Tensile Strength | ATSM D638 | 17 MPa (2450 psi) min. |
| Ultimate Elongation | ASTM D638 | 25% min. |
| Electrical | | |
| Key Material Property | Specification | Results |
| 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 |



BCAC-IC closed cage

| PRODUCT SELECTION INFORMATION - DIMENSIONS IN INCHES (MM) | | | | | |
|---|-----------------------|-------------------------|--------------|-------|--------------------|
| Description | Insulator Core Range | Insulator Shed Range | Cover Height | Color | Standard Pack Size |
| BCAC-IC-5D/6 (B6) | 1.5 - 3.5 (38 - 89) | 2.5 - 5.0 (63 - 127) | 6 (152) | Red | 6 |
| BCAC-G-IC-5D/6 (B6) | 1.5 - 3.5 (38 - 89) | 2.5 - 5.0 (63 - 127) | 6 (152) | Gray | 6 |
| BCAC-IC-7D/12 (B6) | 3.0 - 4.87 (76 - 124) | 3.75 - 7.00 (96 - 178) | 12 (305) | Red | 6 |
| BCAC-G-IC-7D/12 (B6) | 3.0 - 4.87 (76 - 124) | 3.75 - 7.00 (96 - 178) | 12 (305) | Gray | 6 |
| BCAC-IC-8D/18 (B6) | 3.5 - 6.25 (90 - 160) | 4.00 - 8.00 (100 - 200) | 18 (455) | Red | 6 |
| BCAC-G-IC-8D/18 (B6) | 3.5 - 6.25 (90 - 160) | 4.00 - 8.00 (100 - 200) | 18 (455) | Gray | 6 |
| BCAC-IC-10.5D/20 (B6) | 3.5 - 8.5 (90 - 215) | 6 - 10.5 (150 - 267) | 20 (508) | Red | 6 |
| BCAC-G-IC-10.5D/20 (B6) | 3.5 - 8.5 (90 - 215) | 6 - 10.5 (150 - 267) | 20 (508) | Gray | 6 |



BCAC-IC open cage

| TECHNICAL REPORT | |
|------------------|-------------------------------|
| EDR-5514 | BCAC-IC Electrical Evaluation |
| UVR 8209 | Material Test Report |

| INSTALLATION INSTRUCTIONS | |
|---------------------------|---|
| EPP-322-10/18 | Installation Instructions for BCAC-IC (all sizes) |
| PII-56104 | |

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