

RAYCHEM RAPTOR COVER BCIC

WILDLIFE AND ASSET PROTECTION PRODUCTS

KEY FEATURES

- Reliable outage protection
- Fast and versatile installation
- High performance material
- Rugged, non-tracking, UV-resistant polymer and flame-resistant
- Long-term performance in extreme conditions
- Resistant to bird guano

TE Connectivity's (TE) Raychem insulating covers have been successfully eliminating outages from all types of wildlife for years. These covers are designed to provide the same great protection with enhanced features. Our hot-stickable distribution cover is designed to prevent raptor-caused outages on medium voltage distribution lines.

Raptor covers can be hot-stick installed on pin, horizontal, and dead end type insulator applications. The main cover has built-in rigid clips, providing a reliable mechanical hold. When placed together with the extension arms, the raptor cover provides over 6 feet of coverage on conductor sizes from #6 to 750kcmil. The extension arm is designed to nest over vibration dampers without any interferences, and interlock over the raptor cover. This modular design provides the ability to extend coverage beyond a single arm with its integrated locking system.

The main cover fits a variety of porcelain and polymer type insulators without disturbing the BIL levels of the insulators. The flexible center cover allows conductors to exit from the insulator at angles up to 30° from any axis: all without having to trim the cover.

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



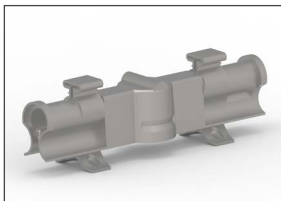
TE's wildlife and asset protection products and systems of tubes, tapes, sheets, pre-formed covers and barriers provide a proven, cost-effective and easy-to-install solution to bird, animal and weather related outages.



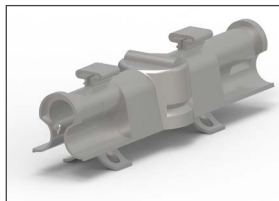
BCIC-GT-PIN/CT (B6)



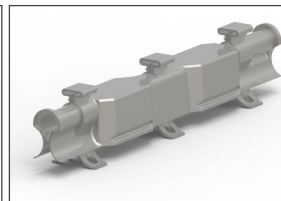
BCIC-GT-HZ (B6)



BCIC-GT-PIN (B6)



BCIC-GT-PIN-XL (B6)



BCIC-GT-DPIN (B6)

Wildlife and Asset Protection Material Performance Attributes:	TE Raychem Standard	TE Raychem VO+
Tracking and Erosion Resistance (TERT), per ASTM D2303 or IEC 60587 STEP test method, (with abrasion)		
This test predicts behavior under contamination and leakage current stress. The sample is abraded to represent testing on an aged sample.	>300min	>180min
UV Performance, per ASTM G154		
This test assesses the damage from UV exposure in intense environments, and provides a proxy for 35+ life expectancy.	5,000hr	5,000hr*
Thermal Aging Performance		
Thermal Index IEC 60216 / IEEE 98 This accelerated aging test predicts long-term product performance and is a key predictor of life-cycle performance of the material.	105C (5,000hr)	105C (5,000hr)*
Thermal Aging ASTM D2671 This test predicts life expectancy, and ties the material's tested values to real-life data from 35+ years of actual service life in the field	150C, (168hr)	150C, (168hr)
Flammability Performance		
Flame Retardancy This tests assesses a materials ability to self-extinguish under strict repeatable laboratory conditions, UL 94, IEC 60696-11-10	HB40	VO
Flame Retardancy Glow wire IEC 60695-2-11 (Simulates the ignition source associated with overheating busbar or connections) ASTM D2303 or IEC 60587 STEP test method, (with abrasion)	650C 300 minutes	650C 180 minutes
Halogen free	Yes	No
Electrical Product Performance Attributes:		
Wet Withstand IEEE-4-1995 and IEEE 1656-2010 (Guide), Fixed Electrode		
This test demonstrates a material's ability to protect against animal contact up to 35 kV	Yes	Yes
Wet Power Frequency Flashover & Lightning Impulse Withstand IEEE-4-1995 and IEEE 1656-2010 (Guide)		
This test demonstrates whether a cover affects the electrical perform of the insulator that it is covering	Yes	Yes
IEEE Compliance		
IEEE-1656 (Guide for testing wildlife protection devices on overhead equipment up to 38 kV) IEEE-1264-2022 (Guide for Animal Mitigation for Electric Power Supply Substations)	Yes	Yes

*Our final 5,000hr test data for new VO+ materials will be published in June 2023, at the time of writing 1200hr testing was complete

NOTE: TE Raychem VO+ has been rated for VO (UL94) applications

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TECHNICAL INFORMATION			
Properties	Test Method	BCIC Center Section	BCIC Arm & Clip
AC Wet Withstand	IEEE-4, 1978 std., 20 kV min		
Electrical			
Dielectric Strength (V/mil, min.)	ASTM D149	330 (at 2 mm)	380 (at 2.5 mm)
Volume Resistivity (ohm-cm, min)	ASTM D257	1.0 x 10 ¹³	1.0 x 10 ¹³

PRODUCT SELECTION INFORMATION - DIMENSION IN INCHES (MM)						
TE Raychem Standard	TE Raychem VO+	Application	Range	Length	Insulator Type / ANSI	Std Pack
BCIC-GT-PIN (B6)	BCIC+GT-PIN (B6)	Porcelain Pin, Post	#6 - 795	20	55-4, 55-5, 57-2	6
BCIC-GT-PIN/CT (B6)	BCIC+GT-PIN/CT (B6)	Vise Top	#6 - 795	20	Vise Top	6
BCIC-GT-PIN-XL (B6)	BCIC+GT-PIN-XL (B6)	Porcelain Pin, Post	#6 - 795	21	56-1, 55-6, 55-7	6
BCIC-GT-DPIN (B6)	BCIC+GT-DPIN (B6)	Porcelain Pin, Double Dead End	#6 - 795	30.5	55-4, 55-5, 57-2	6
BCIC-GT-HZ (B6)	BCIC+GT-HZ (B6)	Horizontal Post	#6 - 795	21	Porcelain or Polymeric	6
BCAC-G-ARM-01	BCAC+G-ARM-01(B12)	Extension Arm	#6 - 795	31	Used with GT covers	12
BCIC-G-DE/CL-01 (B6)	BCIC+G-DE/CL-01 (B6)	Dead End	#6 - 795	27	Porcelain or Polymeric	6

TECHNICAL REPORT	
EDR-5609 PII-70140	Raptor Cover Mechanical/Electrical Evaluation BCIC Raptor Covers/BCAC-G-Arm Installation Instruction



BCAC-G-ARM-01 (B12)

Learn more: [TE.com/energy](https://www.te.com/energy)

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