



## 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
- Long-term performance in extreme conditions

TE Connectivity's (TE) Raychem insulating covers have been successfully eliminating outages from all types of animals 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 use a bi-material design to allow for hot-stick installations on pin, horizontal, and deadend type insulator applications. The main cover has built-in rigid clips, providing a reliable mechanical hold. Up to 10 feet of coverage on conductor sizes from #6 to 795 kcmil together. 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.**

## Raptor Cover BCIC

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-G-PIN-556-01



BCIC-G-HZ-795-01



BCIC-G-PIN-795-01



BCAC-G-ARM-01

### TECHNICAL INFORMATION

AC Wet Withstand	IEEE-4, 1978 std., 20 kV min		
Wind Resistance (85 MPH for 5 min.)	Perpendicular to front face of cover. No dislodging of cover		
Properties	Test Method	BCIC 795	BCIC Arm Clip
<b>Physical</b>			
Tensile Strength (psi, min.)	ASTM D638	1450	1800
Ultimate Elongation	ASTM D638	300	25
<b>Electrical</b>			
Dielectric Strength (V/mil, min.)	ASTM D149	330 (at 2 mm)	380 (at 2.5 mm)
Tracking/Erosion Resistance	ASTM D2303	No tracking or erosion, to top surface or flame failure after 200 min.	
	Step Voltage Method (Initiate at 2.5 kV)		
Volume Resistivity (ohm-cm, min)	ASTM D257	1.0 x 10 <sup>13</sup>	1.0 x 10 <sup>13</sup>

### PRODUCT SELECTION INFORMATION: DIMENSIONS IN MILLIMETERS (inches)

Description	Application	Range	Length	Insulator Type/ANSI	Std. Pack
BCIC-G-PIN-556-01	Porcelain PIN	#6-556	42	55-2, 55-3, 55-4, 55-5	6
BCIC-G-PIN-5.5D/8-LP(B6)	Vertical Clamp Top	#6-556	42	>35 kV Vertical Clamp Top	6
BCIC-G-SMPIN-795-01	Porcelain PIN	#6-795	42	55-2, 55-3, 55-4, 55-5	6
BCIC-G-PIN-795-01	Porcelain PIN	#6-795	32	55-5, 55-6, 55-7, 56-1, 56-2, 56-3	6
BCIC-G-DPIN-795-01	Double Porcelain PIN	#6-795	41	55-5, 55-6, 55-7, 56-1, 56-2, 56-3	6
BCIC-G-DPIN-556-01	Double Porcelain PIN	#6-556	42	55-2, 55-3, 55-4, 55-5	6
BCIC-G-DSMPIN-795-01	Double Porcelain PIN	#6-795	42	55-2, 55-3, 55-4, 55-5	6
BCIC-G-HZ-795-01	Horizontal Post	#6-795	29	Polymeric	6
BCIC-G-HZPOR/3.5D-795-01	Horizontal Post	#6-795	29	Porcelain > 35 kV	6
BCIC-G-HZPOR/4.5D-795-01	Horizontal Post	#6-795	29	Porcelain 25 to 35 kV	6
BCIC-G-PIN-556/55-01	Line Post	#6-556	55	Polymeric	6
BCIC-G-POR-228-795-01	Line Post	#6-795	55	Porcelain 7-9" dia.	6
BCIC-G-DE/CL-01	Dead End	#6-795	27	Conductor	6

### TECHNICAL REPORT

EDR-5311	Rigid Red Qualification
EDR-5314	EMMAQUA Testing of BCIS
EDR-5369	Raptor Protection Cover (BCIC-795) Mechanical/Electrical Evaluation

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### FOR MORE INFORMATION: TE Technical Support Centers

USA:	+ 1 800 327 6996
France:	+ 33 380 583 200
UK:	+ 44 0870 870 7500
Germany:	+ 49 896 089 903
Spain:	+ 34 916 630 400
Italy:	+ 39 333 250 0915
Benelux:	+ 32 16 351 731
Canada:	+ 1 (905) 475-6222
Mexico:	+ 52 (0) 55-1106-0800
Latin/S. America:	+ 54 (0) 11-4733-2200
China:	+ 86 (0) 400-820-6015