



MVCC MEDIUM VOLTAGE CONDUCTOR COVERS FOR OUTAGE PREVENTION

WILDLIFE AND ASSET PROTECTION PRODUCTS

a RAYCHEM product

KEY FEATURES

- Superior tracking resistance
- Protection for leads and jumpers
- Simple and quick installation

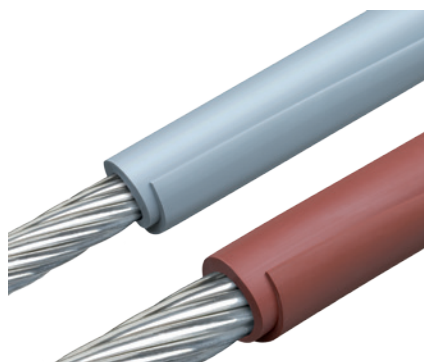
TE Connectivity's Raysulate Medium Voltage Conductor Covers (MVCC) provide high quality electrical insulation for substation leads and jumpers.

These covers are made from a non-tracking silicone material that is suitable for harsh medium voltage outdoor environments. MVCC covers are split for easy installation.

MVCC is suitable for applications up to 25 kV phase to ground. Currently, four sizes are available and will fit conductors with diameters up to 44 mm. The flexibility of the covers allows for installation on tight bends which is ideal for substation applications. Covers are designed to protect energized conductors from flashovers due to contact from birds and animals.

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 testing	Result
AC dry withstand/1 min.	35 kV line voltage (all three phases covered) *25 kV line voltage (all three phases covered) 25 kV phase to ground *15 kV phase to ground
* Note: Product testing results apply to MVCC-10/.40 and MVCC-G-10/.40 product	
Load cycling 30 days @ 130 °C	No deformation or splitting
Low temperature install @ 0 °C	Installable without difficulty

Product performance		
Material properties	Specification	Results
Accelerated aging 168 hours 150 °C	ASTM D2671	> 1.3 MPa
Tensile strength		> 75%
Ultimate elongation		
Low temperature flexibility 4 hours - 40 °C	ASTM D2671	No cracking
Dielectric strength 3.4 mm thickness	ASTM D149	> 11.8 kV/mm
Tracking and erosion resistance	ASTM D2303	No tracking, erosion to top surface or flame failure after: <ul style="list-style-type: none"> • 1 hour at 2.5 kV • 1 hour at 2.75 kV • 1 hour at 3.0 kV • 20 min. at 3.25 kV

Product selection information			
Catalog number	Use range UOM: (mm)	Color	Conductor diameter supplied length UOM: (M)
MVCC-10/.40 (B100)	up to 11	Red	1 piece @ 30.4
MVCC-G-10/.40 (B100)	up to 11	Grey	1 piece @ 30.4
MVCC-19/.75 (B50)	11 - 19	Red	2 piece @ 7.6
MVCC-G-19/.75 (B50)	11 - 19	Grey	2 piece @ 7.6
MVCC-25/1.0 (B25)	19 - 28	Red	1 piece @ 7.6
MVCC-G-25/1.0 (B25)	19 - 28	Grey	1 piece @ 7.6
MVCC-45/1.75 x 4 (B24)	28 - 44	Red	6 piece @ 1.2
MVCC-G-45/1.75 x 4 (B24)	28 - 44	Grey	6 piece @ 1.2

TECHNICAL REPORT

- EDR-5461 Medium voltage conductor cover electrical testing
- EDR-5498 Material qualification of red and grey MVCC line covers to PPS 3010/61
- EDR-5486 Medium Voltage (MVCC-10/.40) Conductor Cover Electrical Testing
- EDR-7074 Medium Voltage Conductor Cover MVCC-25/1.0 Electrical Testing

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