



MEDIUM VOLTAGE LINE COVER

WILDLIFE AND ASSET PROTECTION PRODUCTS

KEY FEATURES

- Two sizes cover conductors from #6- 397 kcmil (19-356 mm²)
- A mastic sealed version of this product is available

The MVLC medium voltage line cover provides state-of-the-art insulation to help prevent electrical outages caused by trees or wildlife coming into contact with distribution lines. Designed to insulate existing bare lines without costly conductor replacement expenditures or additional line hardware, the MVLC cover may be applied selectively on problem spans when temperatures are above 0°C.

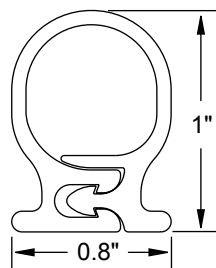
The MVLC cover material formulation is based on Raychem products' field-proven experience with MV products in harsh environments. The MVLC material is UV stable as well as tracking and erosion resistant. The MVLC cover is cross-linked material to create an extremely robust insulation system, ensuring many years of reliable operation in the harshest environments.

TE Connectivity has designed a special tool that ensures fast and reliable application of the MVLC cover on energized lines. It attaches directly to the overhead conductor and remains stationary in a single location on each span. The tool may be manually or automatically operated, using a hand crank or with the aid of a gasoline powered drill. The tool forms, closes, and feeds the MVLC cover along the conductor with speed and consistency.

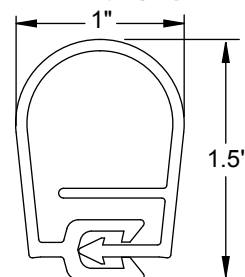


TE's wildlife and asset protection products and systems of tubes, tapes, sheets, pre-formed covers and barriers provide a proven, cost-effective and easy-to-install solution to bird, animal and weather related outages.

MVLC-14



MVLC-18



Product Weight (Nominal)

MVLC-14	0.27kg/m (0.18 lbs/ft)
MVLC-18	0.40kg/m (0.27 lbs/ft)

PRODUCT PERFORMANCE MVLC-A/U | MVLC-A/241 (Sealed)

TEST	AC withstand (dry), 1 minute	15 kV min. / 25 kV min.		
	AC withstand (wet), 1 minute	15 kV min. / 25 kV min.		
	AC long term withstand (dry), 4 hours	8.6 kV min. / 14.4 kV min.		
	30 day thermal loading (8 hr at 130°C; 16 hr off)	No MVLC deformation		
	Conductor ampacity	82-89% of bare conductor ampacity		
PHYSICAL	Material properties/pps 3010/42	Test Method	Requirement	
	Tensile Strength	ASTM D638	8 MPa min. 1150 psi min.	
	Ultimate Elongation	ASTM D638	200% min.	
	Abrasion Resistance	1000 cycles, 2068g	20% max. thickness loss	
	Low Temperature Impact	ASTM D746	No cracking at -20°C	
ELECTRICAL	Dielectric Strength	ASTM D149	217 kV/cm @ 1.27 mm 550 V/mil min at 0.050"	
	Tracking/Erosion Resistance	ASTM D2303 Step Voltage Method (Initiate at 2.5 kV)	No tracking or erosion to top surface or flame failure after: 200 minutes	
SELECTION	Description	Conductor Size Up To	Voltage Class	UOM: m (ft) Spool Length* Overhead Installation Tool
	MVLC-14-A/U	126 mm ² (3/0)	15 kV	100 (330) Contact Sales Representative
	MVLC-14-A/241	126 mm ² (3/0)	25 kV	100 (330) Contact Sales Representative
	MVLC-18-A/U	356 mm ² (397 kcmil)	15 kV	75 (247) MVLC-18-TOOL-01
	MVLC-18-A/241	356 mm ² (397 kcmil)	25 kV	75 (247) MVLC-18-TOOL-02
<i>Note: Non-Impact Hydraulic Drill available. *6ft cut lengths also available. Order OLIC-C & S1251 for connectors/drainage points. MVLC-Hand-Tool-02 works with MVLC-18. MVLC-Hand-Tool-14 will install MVLC-14 products only.</i>				

TECHNICAL REPORT

EDR-5308	MVLC Electrical Testing (-18)
EDR-5309	MVLC Material Qualification to PPS 3010/42
EDR-5316	Summary of Wind and Ice/Snow Load testing of MVLC at EA Technology