

Bus insulation and wildlife protection products

LVBT

Raysulate low-voltage busbar insulating tape (1000 V)

LVBT is an adhesive-coated, low-voltage heat-shrinkable tape. One wrap insulates straight and bent bars in retrofit applications where tubing cannot be used. In addition, LVBT easily insulates unusual connections and geometries in the factory or field.

1kV in accordance with ANSI C37.20-1987 and up to 3.6 kV in accordance with IEC specifications.

Rated to ANSI/IEEE C37.20-1987. UL-recognized to Standard 224 (file E137417), 600 V-125°C-VW.1.

The LVBT adhesive layer fuses the tape layers but does not stick to bus or hardware, providing tough insulation up to



Selection information (dimensions in inches/millimeters)

Bus width	Recommended catalog number	Bus length insulated per roll
Rectangular busbar*		
1 (25)	LVBT-1-R	3.8 ft (1.2 m)
2 (50)	LVBT-2-R	4.8 ft (1.5 m)
3 (75)	LVBT-2-R	3.5 ft (1.1 m)
4 (100)	LVBT-2-R	2.7 ft (0.8 m)
6 (150)	LVBT-2-R	1.9 ft (0.6 m)
8 (200)	LVBT-4-R	2.9 ft (0.9 m)

*Maximum thickness: 5/8 (15)

Square busbar		
1 (25)	LVBT-2-R	6.25 ft (2.0 m)
2 (50)	LVBT-2-R	3.1 ft (1.0 m)
3 (75)	LVBT-2-R	2.0 ft (0.6 m)
4 (100)	LVBT-4-R	3.1 ft (1.0 m)
6 (150)	LVBT-4-R	2.0 ft (0.6 m)

Round busbar		
0.5 in (12 mm)	LVBT-1-R	8.0 ft (2.6 m)
1.0 in (25 mm)	LVBT-2-R	8.0 ft (2.6 m)
2.0 in (50 mm)	LVBT-2-R	4.0 ft (1.3 m)
3.0 in (75 mm)	LVBT-2-R	2.6 ft (0.9 m)
4.0 in (100 mm)	LVBT-4-R	4.0 ft (1.3 m)

Ordering information

- Select the appropriate catalog number. Confirm selection with the following recommendations and LVBT tape dimensions:
 - LVBT-1-R is best for shorter lengths.
 - LVBT-2-R is the most versatile width for general purpose use.
 - LVBT-4-R is useful for long lengths and larger bus sizes.

LVBT tape dimensions

Catalog number	Roll width	Roll length
LVBT-1-R	1 (25)	25 ft (7.5 m)
LVBT-2-R	2 (50)	25 ft (7.5 m)
LVBT-4-R	4 (100)	25 ft (7.5 m)

- If sealing is needed, order the S-1052-6-150 sealant strips from page 49.
- Recommended application is by wrapping the tape around the bus bar using a two-thirds overlap.
- Bolted connections require two layers of tape.
- Standard package:
 - LVBT-1-R: 8 rolls/box.
 - LVBT-2-R: 4 rolls/box.
 - LVBT-4-R: 2 rolls/box.
- Related test reports: see LVIT reports, [UVR-8148](#) [UVR-8165](#)

Related installation instructions [LVBT](#)