

Vanguard
ELECTRIC



A Southern States Company



CABLE ACCESSORIES CATALOG



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INTRODUCTION

General Info

Vanguard Electric, LLC is a member company of the Southern States Group of companies dedicated to sourcing top quality electrical components.

Vanguard Electric, LLC brings to its customers high quality products that have been carefully researched and adapted to the U.S. market, so they meet all technical requirements at very competitive prices. Our highly specialized team is dedicated to source OEM products from top global manufacturers that comply with the highest standards that we have defined for our brand.

At Vanguard Electric, LLC, consistent with the spirit of the group we are part of, we recognize the importance of providing a quality product to our customers. Furthermore, we believe that the customer's buying experience as a whole ultimately determines whether or not continued success is attainable. To ensure successful projects for our customers, we strive to offer a combination of features that we are confident will provide a very satisfying experience with our company:

- ■ Top quality products manufactured to our specification (and in full compliance of applicable U.S. and applicable international standards) by top world-class manufacturers.
- ■ We establish long-term relationships, constantly monitor their facilities, and require the highest standards.
- ■ We buy in large quantities and transfer the savings to our customers.
- ■ Vanguard Electric, LLC has a staff of experienced engineers that consults with industry specialists to provide reliable support at every step (selection, application, troubleshooting, service).
- ■ Review quality assurance requirements to ensure compliance with domestic and international standards.
- ■ Clear, complete, and easily available technical information (online and in printed format).
- ■ Professional sales engineers group supported by solid network of local agents in the U.S. We want to be available for you.
- ■ We keep inventory of the most utilized products in the market. Special stocking programs are available for you.

Vanguard Electric – Cable Accessories.

Our cable accessories (Elbows, Tee Bodies and Bushing Inserts) product line has been designed and fully tested to meet IEEE 386 standard.

General Features:

- Products are manufactured in state-of-the-art ISO9001 certified facilities.
- Cable accessories are molded using high quality peroxide-cured EPDM rubber.
- Copper, Aluminum and Bi-metal lugs are offered depending on the application and product.
- Optional capacitive test point can be offered if requested.
- Elbows come with a tin-plated copper probe with arc-quenching tip to provide a safe and dependable load break.
- All products come with necessary parts and applicable tools for their installation (*including installation manual*).
- **2-year warranty.**

200 A LOADBREAK ELBOW CONNECTORS. (L215 & L225)

Vanguard Electric's separable connectors are suitable for energized load-make/ load-break operation using a shotgun-type hot-stick. Vanguard Electric's load-break elbow connectors are insulated and fully shielded products that provide means to connect or disconnect cables to transformers, switchgears or sectionalizing equipment on a power distribution systems.

RATINGS

VOLTAGE	
Voltage Class	15 kV
Maximum Rating Phase to Phase	14.4 kV
Maximum Rating Phase to Ground	8.3 kV
AC 1 Minute Withstand	34 kV
DC 15 Minute Withstand	53 kV
BIL and Full Wave Crest	95 kV
Minimum Corona Voltage Level (kV)	11 kV
CURRENT	
Continuous Current Rating	200 A. RMS
Switching Current Rating	10 operations at 200 A rms at 14.4 kV
Fault Closure Current Rating	10,000 A rms symmetrical at 14.4 kV for 0.17 s after 10 consecutive successful switching operations.
Short Time Current Rating	10,000 A rms symmetrical for 0.17 s
	3,500 A rms symmetrical for 3.0 s

15 KV 200 A LOADBREAK ELBOW CONNECTOR



Available with jacket seal option

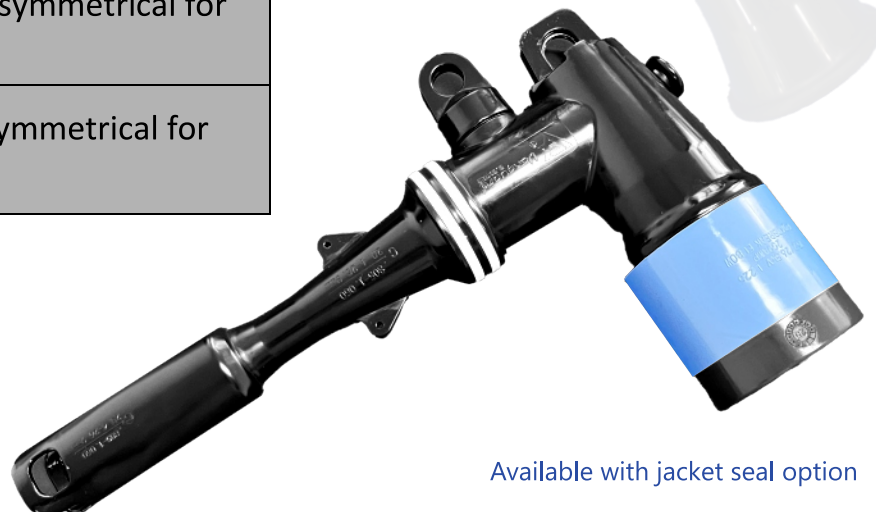
NOTES:

- For ungrounded Wye and Delta application use the next higher voltage class product

RATINGS

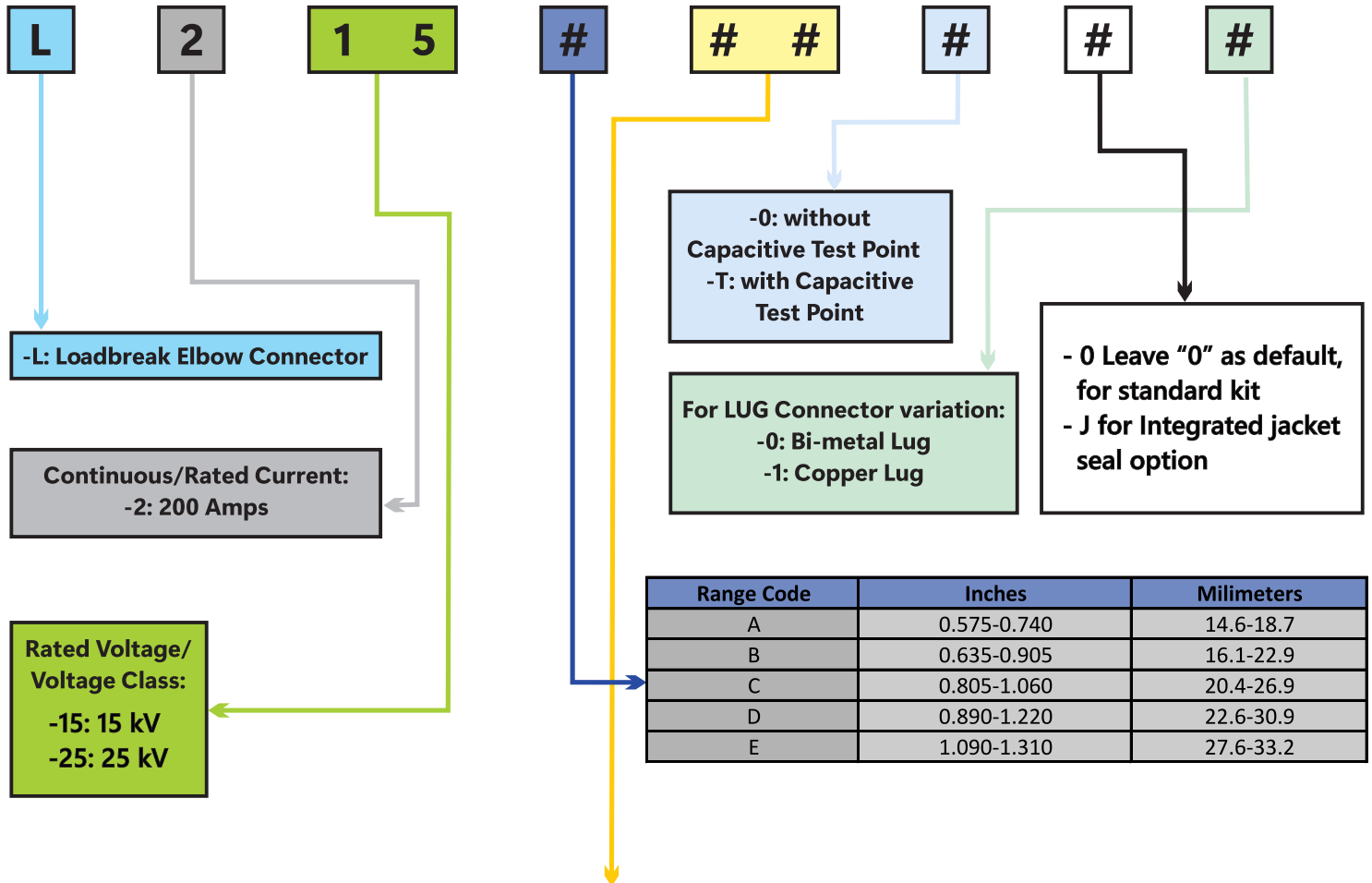
VOLTAGE	
Voltage Class	25 kV
Maximum Rating Phase to Phase	26.3 kV
Maximum Rating Phase to Ground	15.2 kV
AC 1 Minute Withstand	40 kV
DC 15 Minute Withstand	78 kV
BIL and Full Wave Crest	125 kV
Minimum Corona Voltage Level (kV)	19 kV
CURRENT	
Continuous Current Rating	200 A. RMS
Switching Current Rating	10 operations at 200 A rms at 26.3 kV
Fault Closure Current Rating	10,000 A rms symmetrical at 26.3 kV for 0.17 s after 10 consecutive successful switching operations.
Short Time Current Rating	10,000 A rms symmetrical for 0.17 s
	3,500 A rms symmetrical for 3.0 s

25 kV 200 A LOADBREAK ELBOW CONNECTOR



Available with jacket seal option

CATALOG NUMBER INFORMATION FOR 200 A LOADBREAK ELBOWS (L215 & L225)



Range Code	Inches	Milimeters
A	0.575-0.740	14.6-18.7
B	0.635-0.905	16.1-22.9
C	0.805-1.060	20.4-26.9
D	0.890-1.220	22.6-30.9
E	1.090-1.310	27.6-33.2

CONDUCTOR CODE	STRANDED OR COMPRESSED		COMPACT OR SOLID	
	AWG or kcmil	mm2	AWG or kcmil	mm2
01	#6	16	#5	-
02	#5	-	#4	-
03	#4	-	#3	25
04	#3	25	#2	35
05	#2	35	#1	-
06	#1	-	1/0	50
07	1/0	50	2/0	70
08	2/0	70	3/0	-
09	3/0	-	4/0	95
10	4/0	95	250	120