

## Cable Terminations

Elastimold® cable terminations are available in single piece or modular designs. Terminators allow connection and transition from shielded, underground cable to bare overhead conductors and live-front equipment. Units are designed and rated per IEEE Standard 48 for riser pole, padmount, indoor and outdoor applications. PCT1, PCT2, 16THG and 35MTG terminators provide sufficient creep, strike and weather sealing for class 1 outdoor service. PCT1 and PCT2 also include an integral cable jacket seal.

The 35MTGI terminators and 35MSC stress cones are rated for class 2 and class 3 indoor service respectively. Optional mounting brackets, aerial lugs and equipment connectors are available as required.



### Electrical Ratings Summary

The following ratings summary is based on IEEE Std. 48 and applies to all the terminations on pages A26 thru A29. Elastimold terminations are designed for use on three-phase systems, either 3-wire or 4-wire and the single-phase laterals of these systems.

#### Voltage Ratings

##### 15 kV Class

9.5 kV Phase-to-Ground  
110 kV BIL 1.2 x 50 microsecond wave  
AC Withstand:

- 50 kV 1 min. – dry
- 35 kV 6 hr. – dry
- 45 kV 10 sec. – wet
- 13 kV Corona Extinction

##### 25 kV Class

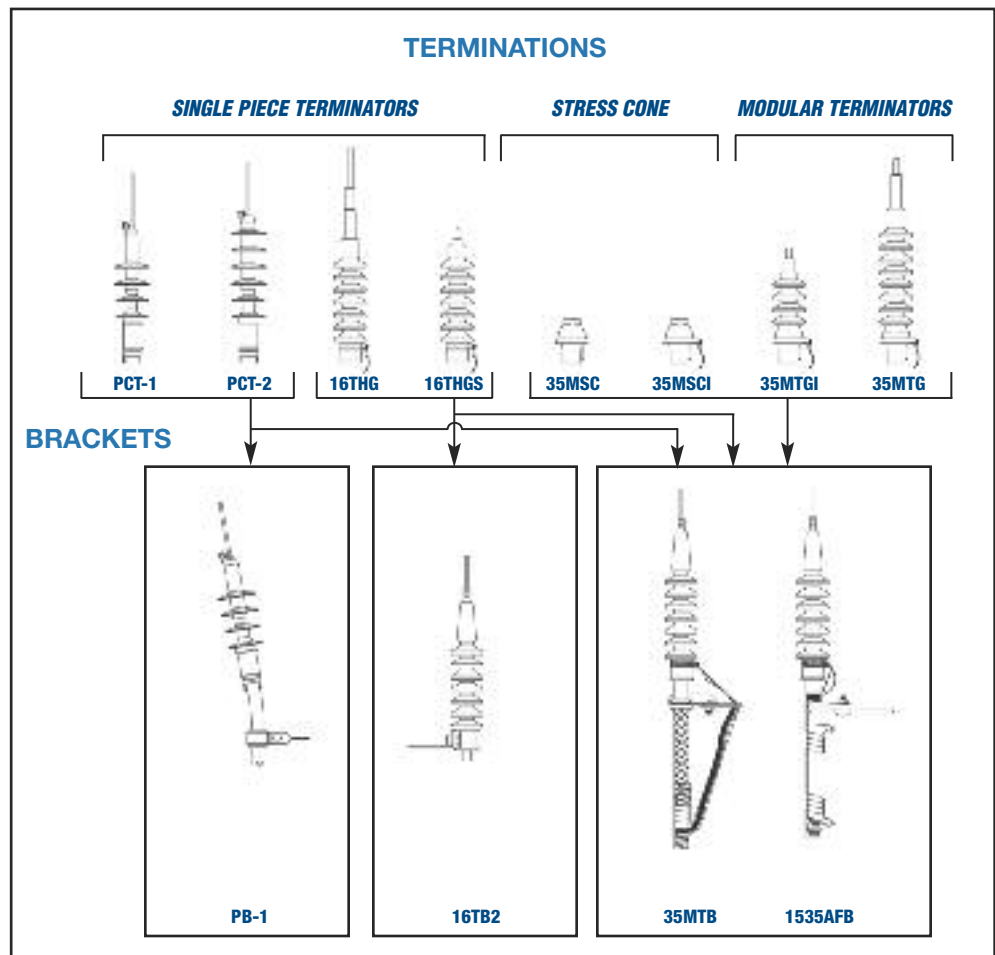
16 kV Phase-to-Ground  
150 kV BIL 1.2 x 50 microsecond wave  
AC Withstand:

- 65 kV 1 min. – dry
- 55 kV 6 hr. – dry
- 60 kV 10 sec. – wet
- 21.5 kV Corona Extinction

##### 35 kV Class

22 kV Phase-to-Ground  
200 kV BIL 1.2 x 50 microsecond wave  
AC Withstand:

- 90 kV 1 min. – dry
- 75 kV 6 hr. – dry
- 80 kV 10 sec. – wet
- 30 kV Corona Extinction



## Cable Terminations

Illustration (not to scale)	Description	Voltage Class	ELASTIMOLD Cat. No.	Notes
	Single-Piece Terminator (Class 1)	15 kV 25 kV	<b>PCT1-1X-4</b> Use Table X9 <b>PCT2-1X-4</b> Use Table X9	N12, 14, 15, 22 N12, 14, N15, 23
	Housing only	15 kV 25 kV	<b>PCT1-4</b> <b>PCT2-4</b>	N13,22 N13,23
	Single-Piece Terminator (Class 1)	15/25 kV	<b>16THG-WOX-4</b> Use Tables W12 and X8	N2, 14 15
	Housing only	15/25 kV	<b>16THGH-W</b> Use Table W12	
	Single-Piece Terminator for solid conductor only (Class 1)	15/25 kV	<b>16THGS-WX</b> Use Tables W12 and X4	N3
	Stress Cone (Class 3)	ALL	<b>35MSC-W</b> Use Table W11	N17
	Stress Cone w/Grd. Strap	ALL	<b>35MSCI-W</b> Use Table W11	N17
	Modules only	ALL	<b>35MG-W</b> Use Table W13	N11, 16
	Modular Terminator (Class 1)	15 kV	<b>35MTG-WX-4-CA</b> Use Tables W13 and X3	N2, 11
		25 kV	<b>35MTG-WX-8-CA</b> Use Tables W13 and X3	N2, 5, 11
		35 kV	<b>35MTG-WX-10-CA</b> Use Tables W13 and X3	N2, 6, 11
	Modular Terminator (Class 2) w/o Rain Cap	15 kV	<b>35MTGI-W-4</b> Use Table W13	N11
		25 kV	<b>35MTGI-W-6</b> Use Table W13	N11
		35 kV	<b>35MTGI-W-8</b> Use Table W13	N7, 11
	Rod Contact for PCT	15/25 kV	<b>00700X</b> Use Table X9	N1, 14, 15
	Rod Contact for 16THG	15/25 kV	<b>16TCA-X</b> Use Table X8	N2, 8
	Solid Conductor Package for 16THGS	15/25 kV	<b>16CAS-X</b> Use Table X4	N3, 9
	3/4 in.-16 Threaded Rod for MTG	ALL	<b>35MTGA-WX-1</b> Use Tables W13 and X3	N2, 10, 11 18, 25
	1 in.-14 Threaded Rod for MTG	ALL	<b>35MTGA-WX-2</b> Use Tables W13 and X3A	N2, 10, 11 19, 25
	Two-Hole Spade for MTG	ALL	<b>35MTGA-WX-3</b> Use Tables W13 and X3	N4, 10, 11 20, 25
	Two-Hole Spade for PCT	ALL	<b>01000X</b> Use Table X9	N1
	One-Hole Spade for PCT	ALL	<b>01100X</b> Use Table X9	N1
	Universal Rod for MTG	ALL	<b>35MTGA-WX-4</b> Use Tables W13 and X3	N2, 10, 11 21, 25
	Aerial Lugs for MTG Threaded Rod (Two-hole spade or bare wire)	ALL	<b>35AL-A</b>	N10, 24

- N1. Use with PCT1 or PCT2 Terminators.
- N2. Includes contact rod, ground strap and rain cap.
- N3. Includes crimp ring, ground strap and rain cap.
- N4. Includes spade contact, ground strap and rain cap.
- N5. For KA thru PB sizes use 35MTG-WX-6-CA.
- N6. For KA thru PB sizes use 35MTG-WX-8-CA.
- N7. For KA thru PB sizes use 35MTGI-W-6.
- N8. Use with 16THG Terminators.
- N9. Use with 16THGS Terminators.
- N10. Use with 35MTG Terminators.
- N11. Refer to page A26 for detailed ordering instructions.
- N12. Includes rod contact as standard. Specify suffix "-3" in place of "-4" for two-hole spade lug. Specify suffix "-5" in place of "-4" for one-hole spade lug.
- N13. Specify suffix "-3" or "-5" in place of "-4" for two-hole spade lug housing or one-hole spade style housing.
- N14. Use 1X for an aluminum rod contact for aluminum conductors only.
- N15. Substitute OX for 1X for a universal aluminum rod contact for aluminum or copper conductors.
- N16. Available in sizes from GA thru PB and are supplied qty. 2 per package.
- N17. Available in sizes EB thru PB.
- N18. For conductors from 1/0 thru 350 kcmil.
- N19. For conductors from 400 kcmil thru 1000 kcmil.
- N20. For conductors from #2 to 1000 kcmil.
- N21. For conductors from #6 thru 4/0.
- N22. Use for insulation dia. range from .640 in. thru 1.070 in.
- N23. Use for insulation dia. range from .830 in. thru 1.180 in.
- N24. Select symbol for "A" from aerial lug ordering information on page A28.
- N25. W13 Table provides sizing for rain cap. X10 Table provides sizing for connectors.

Refer to the W and X tables on pages A39 to A41 for sizing to cable insulation diameter and conductor size. For cable shield adapters and jacket seals, see page A30.