

Issue Date: 02/15/2018

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File: PSS-R2T35

35 kV	Ranger2 Cable Termination (Outdoor)	R2T35
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Applications:

The R2T (Outdoor) termination design couples shrink-fit technology and Elastimold's pull-down jacket seal feature to provide a termination line that covers the widest range of applications with the fewest number of models. Three sizes cover 0.84" (21.3 mm) to 2.10" (53 mm) insulation diameter cables (#2 AWG through 1250 kcmil).

The R2T housings are designed for maximum performance in all field conditions with superior creepage and strike distances for long-term service. Insulating silicone sleeves are also available when more creepage is required or when wildlife protection is needed to insulate the connectors.

Features:

- Non-tracking silicone housing provides superior memory and weathering characteristics.
- Shrink-fit housing uses common installation procedures and cable preparation dimensions. Field-removable center core allows for easy installation.
- Eight sheds for 35 kV outdoor model.
- Two sizes cover entire cable range from #2 AWG to 1250 kcmil. Units accommodate popular XLP and EPR cable types and shield constructions.
- Pull-down tabs for easy installation of built-in jacket seal.
- Installs in restricted spaces. Permits application where free hanging is desired.
- Optional connectors with copper stem, one-hole and two-hole spade connector.
- Optional cable and support bracket in four sizes, ranging from 0.80" – 2.40" O.D.

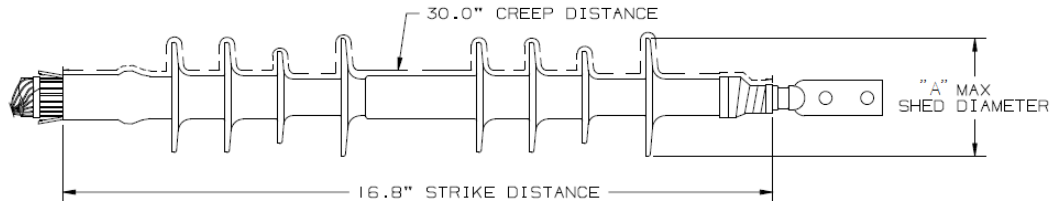
Ratings	Outdoor
Termination Catalog Series	R2T35
Sizes Available	2,4
Voltage Rating (kV)	35
Max. Design Voltage to Ground (kV)	22
Coronal Extinction Voltage (kV) ($\leq 3\text{pC}$) (Partial Discharge)	30
Insulation Withstand Voltage:	
Lightning Impulse (BIL Dry 110 Withstand) (kV Crest)	200
10 Sec. Wet (60Hz) (kV)	80
1 Minute Dry (60Hz) (kV)	90
5 Hour Dry (60Hz) (kV)	75
DC Withstand 15 min. Dry (kV)	140

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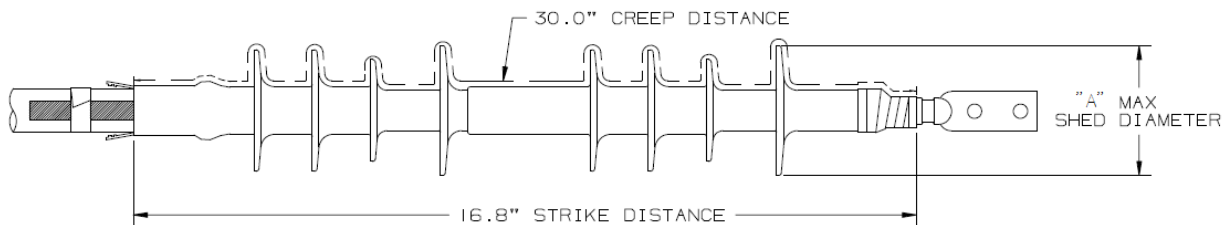
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PART NO.	"A"
R2T35J2	3.1 in
R2T35J4	3.5 in



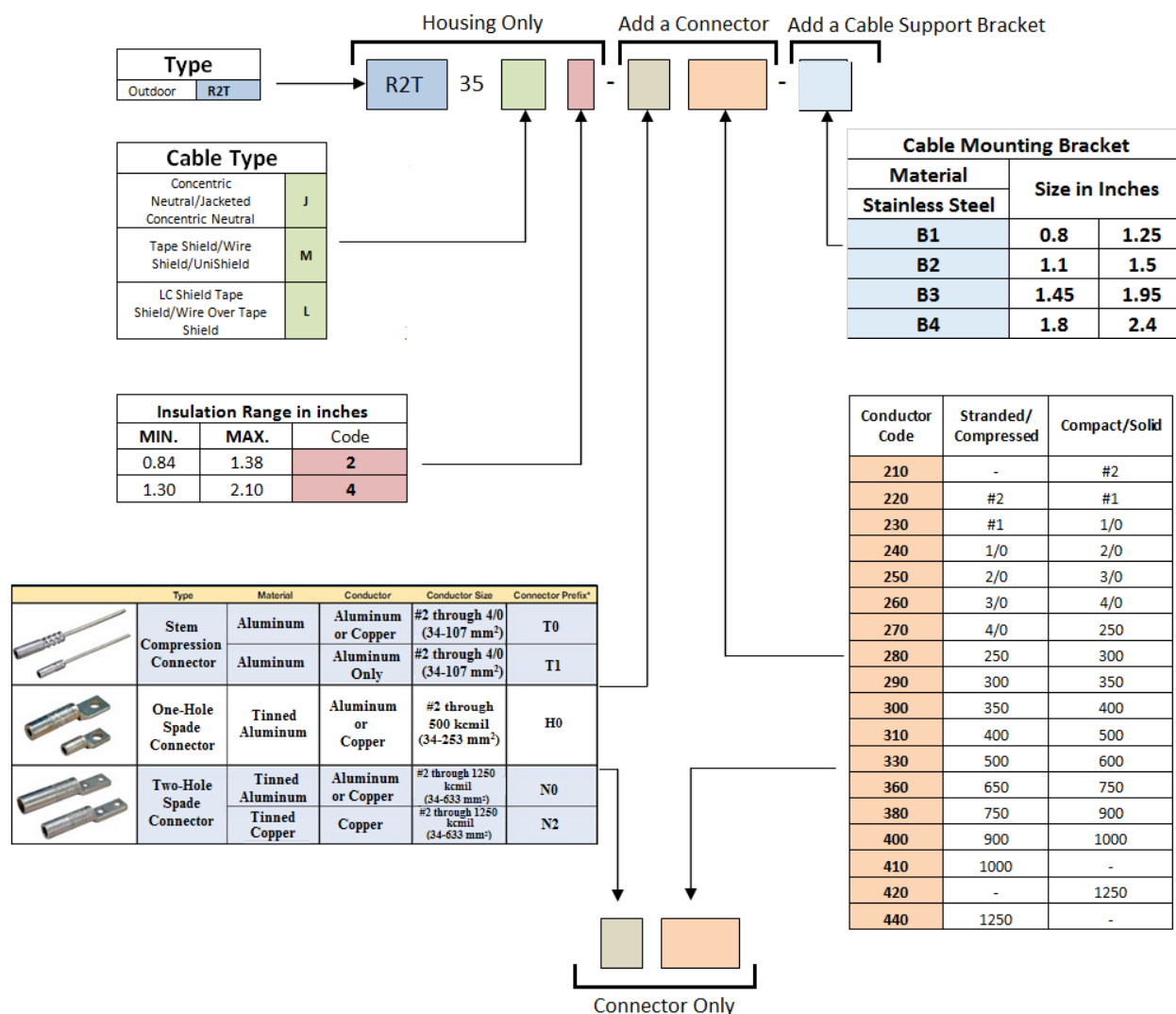
PART NO.	"A"
R2T35M2	3.1 in
R2T35M4	3.5 in

Application Information	
IEEE Classification	Outdoor = Class 1A
Ambient Temperature Range	-22 to +149 °F (-30 to +65 °C)
Power System Frequency	48 to 62 Hz
Altitude Range	3300 feet max (1005 m)
Mounting	Free hanging or optional bracket

Dimensions	Outdoor
Termination Catalog Series	R2T35
Sizes Available	2,4
Voltage Rating (kV)	35
Number of Sheds	8
Minimum Strike Distance in. (mm)	16.8 (427)
Creepage Distance in. (mm)	30.0 (762)

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Ranger2 Cable Termination Selection:



Each kit may contain the following:

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|---|------------------------------|--|
| 1 | Ranger2 Housing (Top) | |
| 1 | Ranger2 Housing(Bottom) | |
| 1 | Silicone Lubricant | |
| 2 | Plastic Glove | |
| 1 | Installation Instruction: | IS-1143 for R2T35J; IS-1144 for R2T35M; IS-1145 for R2T35L |
| 1 | Butyl Auto Tape 3/PKG | |
| 2 | Silicon Tape Roll | |
| 1 | Connector (if ordered) | |
| 1 | Crimp Chart (if ordered) | CC-097 for H0, N0, N2; CC-051 for T0, T1 |
| 1 | Support Bracket (if ordered) | |