15 kV	Ranger2 Cable Termination (Outdoor)	R2T15



Ratings	Outdoor
Termination Catalog Series	R2T15
Sizes Available	1,2,4
Voltage Rating (kV)	15
Max. Design Voltage to Ground (kV)	9.5
Coronal Extinction Voltage (kV) (≤ 3pC) (Partial Discharge)	13
Insulation Withstand Voltage:	
Lightning Impulse (BIL Dry 110 Withstand) (kV Crest)	110
10 Sec. Wet (60Hz) (kV)	45
1 Minute Dry (60Hz) (kV)	50
5 Hour Dry (60Hz) (kV)	35
DC Withstand 15 min. Dry (kV)	75

Applications:

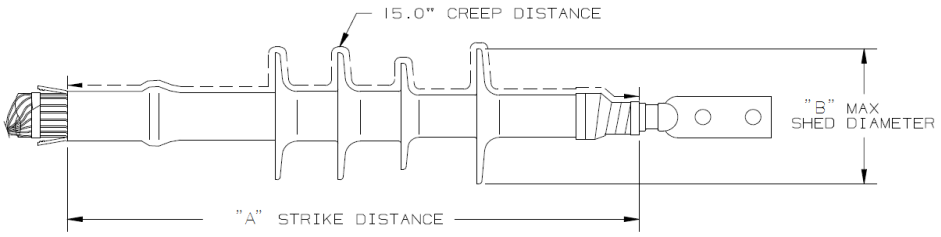
The R2T (Outdoor) termination design couples shrink-fit technology and Elastimold's pull-down jacket seal feature to provide a termination line that covers the widest range of applications with the fewest number of models. Three sizes cover 0.64'' (16 mm) to 2.10'' (53 mm) insulation diameter cables (#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.

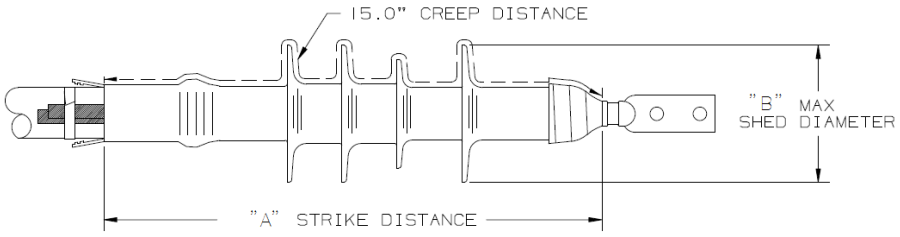
Features:

- 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.
- Four sheds for 15kV outdoor model.
- Three 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.

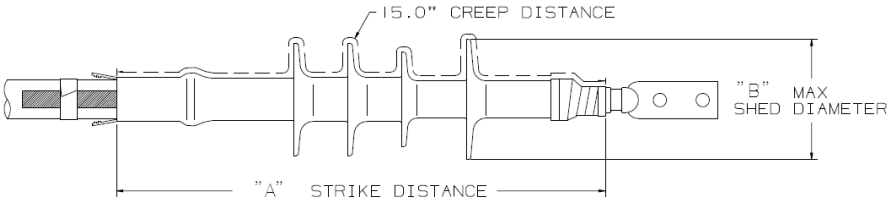
15 kV	Ranger2 Cable Termination (Outdoor)	R2T15



PART NO.	"A"	"B"
R2T15J1	11.4 in	2.6 in
R2T15J2	11.4 in	2.8 in
R2T15J4	11.5 in	3.1 in



PART NO.	"A"	"B"
R2T15L2	11.4 in	2.8 in
R2T15L4	11.4 in	3.1 in



PART NO.	"A"	"B"
R2T15M1	11.4 in	2.6 in
R2T15M2	11.4 in	2.8 in
R2T15M4	11.5 in	3.1 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	R2T15
Sizes Available	1,2,4
Voltage Rating (kV)	15
Number of Sheds	4
Minimum Strike Distance in mm	11.4 (381)
Creepage Distance in mm	15.0 (381)

15 kV	Ranger2 Cable Termination (Outdoor)	R2T15

Ranger2 Cable Termination Selection:

Housing Only | Add a Connector | Add a Cable Support Bracket

Type	
Outdoor	R2T
Indoor	R2IT

R2T 15 [ ] [ ] - [ ] [ ] - [ ]

Cable Type	
Concentric Neutral/Jacketed Concentric Neutral	J
Tape Shield/Wire Shield/UniShield	M
LC Shield Tape Shield/Wire Over Tape Shield	L

Cable Mounting Bracket		
Material	Size in Inches	
Stainless Steel		
B1	0.8	1.25
B2	1.1	1.5
B3	1.45	1.95
B4	1.8	2.4

Insulation Range in inches		
MIN.	MAX.	Code
0.64	1.12	1
0.84	1.38	2
1.30	2.10	4

	Type	Material	Conductor	Conductor Size	Connector Prefix*
	Stem Compression Connector	Aluminum	Aluminum or Copper	#2 through 4/0 (34-107 mm²)	T0
		Aluminum	Aluminum Only	#2 through 4/0 (34-107 mm²)	T1
	One-Hole Spade Connector	Tinned Aluminum	Aluminum or Copper	#2 through 500 kcmil (34-253 mm²)	H0
	Two-Hole Spade Connector	Tinned Aluminum	Aluminum or Copper	#2 through 1250 kcmil (34-633 mm²)	N0
		Tinned Copper	Copper	#2 through 1250 kcmil (34-633 mm²)	N2

Conductor Code	Stranded/ Compressed	Compact/Solid
210	-	#2
220	#2	#1
230	#1	1/0
240	1/0	2/0
250	2/0	3/0
260	3/0	4/0
270	4/0	250
280	250	300
290	300	350
300	350	400
310	400	500
330	500	600
360	650	750
380	750	900
400	900	1000
410	1000	-
420	-	1250
440	1250	-

[ ] [ ]
Connector Only

Each kit may contain the following:

1 Ranger2 Housing
1 Silicone Lubricant
2 Plastic Glove
1 Installation Instruction: IS-1134 for R2T15J; IS-1135 for R2T15M; IS-1136 for R2T15L
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)