

RVS

Rayvolve™ Insulating Joint Cover for up to 1000V Solid Dielectric Cable

Qualified to ANSI C119.1 (600V/90°C)



LISTED 96J4
Wire Connector System
for use with
Underground Connectors
600V/75C



R55143
600V/90°C

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PII-54907, Rev AG
PCN 650355-000
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Kit Selection Guide

General Use Selection Guide

For Low Voltage (600V-1kV) Single Core Cable using Cu and Al Compression Connectors

Kit	Nominal Cable Range		Insulation O.D. Range	Maximum Connector Length
	AWG/kcmil	Metric		
RVS-11	#8-2/0 AWG	10-70mm ²	0.22-0.68" (5.6-17mm)	5.0" (125mm)
RVS-12	1/0-250 kcmil	50-120mm ²	0.48-0.90" (12-23mm)	4.5" (115mm)
RVS-13	250-600 kcmil	120-300mm ²	0.69-1.20" (18-30mm)	7.0" (180mm)
RVS-14	600-1000 kcmil	300-500mm ²	0.96-1.50" (25-38mm)	9.0" (225mm)

Note: For performance certified to UL 486D or CSA 22.2 No. 198.2, use appropriate UL or CSA listed compression connectors.

Raychem Kit / UL Listed Selection Guide

UL Listed up to 600V/75C

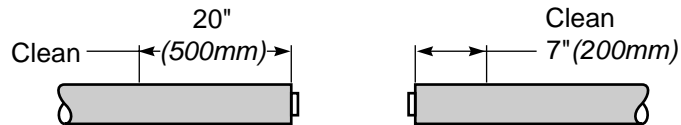
Note: For performance certified to UL 486D or CSA 22.2 No. 198.2, use appropriate UL or CSA listed compression connectors.

Dimensions in inches (millimeters)

Kit	Cable Size	Connector Dimensions	
		Maximum Length	Maximum Diameter
RVS-11	#8	1.00 (25)	0.260 (6.6)
RVS-11	#6	2.38 (60)	0.297 (7.5)
RVS-11	#4	2.38 (60)	0.344 (8.7)
RVS-11	#2	2.63 (67)	0.422 (10.7)
RVS-11	1/0	2.88 (73)	0.516 (13.1)
RVS-11	2/0	3.13 (79)	0.578 (14.7)
RVS-12	1/0	2.88 (73)	0.516 (13.1)
RVS-12	2/0	3.13 (79)	0.578 (14.7)
RVS-12	3/0	3.13 (79)	0.625 (15.9)
RVS-12	4/0	3.38 (86)	0.688 (17.5)
RVS-12	250	3.38 (86)	0.766 (19.5)
RVS-13	250	3.38 (86)	0.766 (19.5)
RVS-13	300	4.18 (106)	0.844 (21.4)
RVS-13	350	4.18 (106)	0.938 (23.8)
RVS-13	400	4.38 (111)	0.969 (24.6)
RVS-13	500	4.67 (118)	1.060 (26.9)
RVS-13	600	5.50 (140)	1.188 (30.2)
RVS-14	600	5.50 (140)	1.188 (30.2)
RVS-14	750	5.88 (149)	1.310 (33.3)
RVS-14	1000	6.12 (155)	1.547 (39.3)

1. Confirm kit size using selection guide on page 1.

2. Clean insulation, as shown, using an approved solvent.



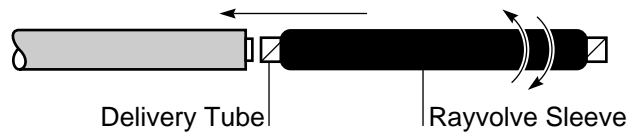
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General Instructions

3. Twist Rayvolve sleeve back and forth over entire length to distribute lubricant.

Butt delivery tube with Rayvolve sleeve against cable end as shown.

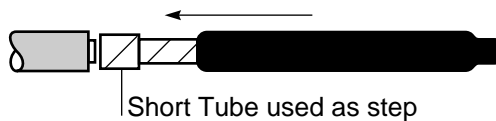
Roll Rayvolve sleeve onto cable.



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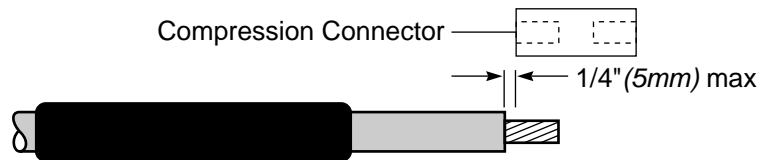
Note: When using RVS-13 on cables over 500 kcmil ($240mm^2$) or RVS-14 on cables over 750 kcmil ($400mm^2$), use the short tube supplied in the kit to ease installation. Place the short tube over one end of delivery tube *before* butting against cable.

RVS-13 over 500 kcmil ($240mm^2$)
RVS-14 over 750 kcmil ($400mm^2$)



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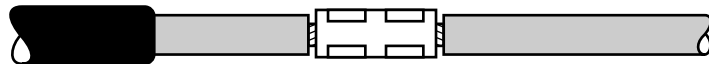
4. Remove insulation from cable ends equal to one-half connector length + 1/4" ($5mm$).



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5. Install connector per manufacturer's instructions using recommended tools and dies.

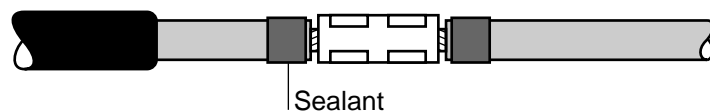
Remove burrs and any excess connector compound.



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6. Apply one complete wrap of supplied sealant at the insulation cutback on one side of connector as shown.

Repeat on other side.



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7. Roll Rayvolve sleeve over splice covering the sealant on each side of the connection.

Splice is complete.



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