

Heat Shrink Repair Sleeves

Extra Heavy Duty

CRLS - Adhesive Lined Crosslinked Polyolefin Repair Sleeves

Features

- Shut down of system not required for repair.
- High shrink ration covers even irregular shapes.
- Better split resistance than competitive products.
- Simple RAIL-LESS® installation with clamshell design.
- Thermoplastic Adhesive Liner provides complete environmental protection and insulation.
- Meets ICEA and NEMA insulation thickness specifications.
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

Ordering Guidelines

Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.

To Order:

Part Number Length
CRLS- # - BB

Technical Data		
Physical Property	Test Method	Typical Performance
Tensile Strength	ASTM D638	2700 psi (19.0 MPa)
Ultimate Elongation	ASTM D638	600%
Heat shock (4 hours at 225°C)	ASTM D2671	No cracking or flowing
Air oven ageing (7 Days at 150°C)	ASTM D2671	-
-Tensile Strength	ASTM D638	2100 psi (14.5 MPa)
-Elongation	ASTM D638	540%
Specific Gravity	ASTM D792	.94
Hardness (Shore D)	ASTM D2240	50 D
Electrical Property	Test Method	Typical Performance
Dielectric Strength	ASTM D2671	700 V/Mil (28kV/mm)
Volume Resistivity	ASTM D257	1.9 x 10 ¹⁸ ohm-cm
Dielectric Constant (1KHZ)	ASTM D150	4.05
Chemical Property	Test Method	Typical Performance
Fluid Resistance	MIL-DTL-23053/15,	Good to excellent
Hydraulic Fluid (MIL-H5606C)	-	MIL-DTL-23053/15
-Tensile Strength	ASTM D638, ISO 37	2500 psi (17 MPa)
-Elongation	ASTM D638, ISO 37	600%
Lubricating Oil (MIL-L7808G)	-	MIL-DTL-23053/15
-Tensile Strength	ASTM D638, ISO 37	2400 psi (16 MPa)
-Elongation	ASTM D638, ISO 37	600%
Diesel Fuel	-	MIL-DTL-23053/15
-Tensile Strength	ASTM D638, ISO 37	2100 psi (14.5 MPa)
-Elongation	ASTM D638, ISO 37	600%
Corrosivity	ASTM D2671	Non-corrosive
Water Absorption	ASTM D570	0.2%
Fungus Resistance	ASTM G21	No Growth

Specifications								
Part Number	Standard Widths (inches)	Expanded		Recovered		Wall Thickness		600/1000V Single Conductor Size
		Internal Diameter (max)	Internal Diameter (max)	Internal Diameter (max)	Internal Diameter (max)	mm	IN	
	BB (inches)	D mm	D IN	d mm	d IN	w mm	w IN	
CRLS1- BB	6, 8, 12, 24, 36	30	1.2	6	0.24	2	0.8	#8 - 3/0
CRLS2- BB	8, 12, 24, 36	46	1.8	14	0.6	2	0.8	2/0 - 400
CRLS3- BB	8, 12, 24, 36	68	2.7	24	0.95	2	0.8	400 - 1000
CRLS4- BB	8, 12, 24, 36	91	3.6	33	1.3	2	0.8	1000 - 2000
CRLS5- BB	8, 12, 24, 36	126	4.95	47	1.65	2	0.8	Multiple Conductor
CRLS6- BB	8, 12, 24, 36	171	6.75	67	2.5	2	0.8	Multiple Conductor

