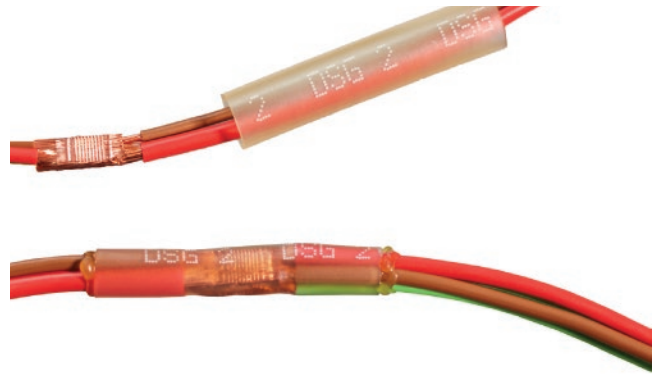


DERAY®-SpliceMelt NA

Adhesive lined crosslinked polyolefin

Adhesive lined heat shrink tubing specifically designed to insulate, seal and protect in-line splices in automotive wire harnesses and electronic assemblies.



Features and Benefits

- High shrink ratio to fit varying splice configurations
- Seals and protects against water, moisture and chemicals
- Adhesive bonds readily to PVC, XLPE and PP-EPDM cable jackets
- Quick installation due to rapid shrinkage
- Shrink ratio: 4:1 to fit varying splice configurations and substrate profiles
- Continuous operating temperature: -40°C to 125°C
- Shrink temperature: 120°C min.
- Sealing and strain relief of connectors and terminals
- Abrasion protection and electrical insulation of automotive wiring harness splices

Standards

- Approved to major automotive OEM splice sealing specifications

Typical Applications

- Environmental sealing of in-line splices

4:1

Shrink ratio

-40°C - 125°C
(-40°F to 257°F)

Continuous operating temperature

Markets:

Automotive, Industrial

Standards:



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DERAY®-SpliceMelt NA

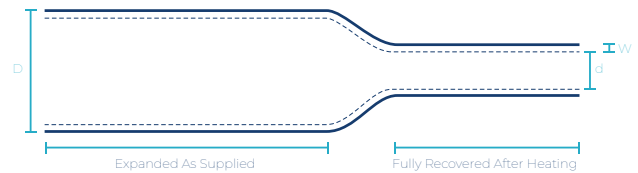
ORDER NUMBER	EXPANDED	RECOVERED		DELIVERY UNIT
	INTERNAL DIAMETER (MIN) D	INTERNAL DIAMETER (MAX) D	TOTAL WALL THICKNESS (NOM) W	CUT LENGTHS
	<i>mm (in)</i>	<i>mm (in)</i>	<i>mm (in)</i>	<i>mm (in)</i>
1	6.0 (0.236)	1.4 (0.055)	1.45 (0.057)	50 (1.97)
2	8.0 (0.315)	1.6 (0.063)	1.75 (0.069)	50 (1.97)
3	12.0 (0.472)	2.5 (0.098)	2.35 (0.093)	65 (2.56)
4	18.0 (0.709)	4.5 (0.177)	2.65 (0.104)	75 (2.955)

Ordering

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

- Select options:
 - Color: Black (BK), clear (CL)
- Please specify the product name, order number and options you require:
 - Example: DERAY®-SpliceMelt, size 3, 65 mm, black

Please contact your Customer Service Representative for information on custom colors, sizes, lengths and material data sheet.



We advise that customers should separately evaluate the suitability of our products for their particular application. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. Please ask for the latest version of this data sheet. Subject to modification without prior notice.

DERAY®-SpliceMelt NA

Technical data

PROPERTY	CURRENT VALUES	TEST METHODS
PHYSICAL		
Tensile Strength	Black: 2,300 psi (17 MPa); Clear: 2,000 psi (15 MPa)	ASTM D2671, IEC 811-1-1
Elongation	Black: 320% Black; Clear: 400%	ASTM D2671, IEC 811-1-1
Longitudinal Change	10% max	ASTM D2671
Specific Gravity	Black: 1.25 Black; Clear: 1.0	ASTM D792
Elongation after Heat Aging (168 hr at 158°C)	Black: 320%; Clear: 400%	ASTM D2671, IEC 811-1-1
Heat Shock (160 hr at 200°C)	No cracking or flowing	ASTM D2671, IEC 811-1-2
Low Temperature Flexibility (4 hr at -55°C)	No cracking or splitting	ASTM D2671
Flammability	Flame Retardant (except Clear), Passed	ASTM D2671, FMVSS 302
ELECTRICAL		
Dielectric Strength	Black: 450 V/mil (18 kV/mm); Clear: 500V/mil (20 kV/mm)	ASTM D2671, VDE 0303
Volume Resistivity	10 ¹⁴ ohm-cm	ASTM D2671, VDE 0303
CHEMICAL		
Fluid Resistivity	Good	SAE-AMS-DTL-23053/4
Corrosive Action	No Corrosion	ASTM D2671, Method A
Copper Corrosion	No Corrosion	ASTM D2671, Method B
Water Absorption	Good	ASTM D570, VDE 0472

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