

Part Number DR

Header DR Diesel Resistant Elastomer Heat Shrink Tubing

Description Thermosleeve-USA DR is a flexible cross-linked Elastomer heat shrink tubing that provides long-term resistance against diesel, hydraulic fluids and chemicals. Manufactured from a cross-linked elastomeric material, DR heat shrink has been specially formulated to offer both cut and abrasion resistant properties. Ten sizes cover the diameter range from 1/8" (3.2mm) to 3" (76.2mm) and DR has a minimum shrink temperature rating of 175 degrees C (347 degrees F).

Agency Approval & Compliance ROHS, SAE, MIL, Flame Retardant, REACH, VW1

Application DR heat shrink tubing is well suited for protecting wire harnesses and cables where resistance to oil, diesel, hydraulic fluids and chemicals is essential. Common utilization includes transportation and military applications.

Shrink Ratio and Operating Temperature DR has a 2:1 shrink ratio. When fully recovered, the 2:1 material will shrink to fifty percent (50%) of its original supplied diameter.

DR has a continuous operating temperature rating of -75 degrees C (-103 degrees F) and 150 degrees C (302 degrees F)

Standard Sizes and Dimension



Sizes

Size (Inch)	As Supplied	After Recovery		Standard Packing
	Min ID mm (D)	Max ID mm (d)	Wall-thickness mm (t)	
1/8	3.20	1.60	0.75±0.15	50m
3/16	4.80	2.4	0.82±0.15	50m
1/4	6.40	3.2	0.90±0.15	50m
3/8	9.50	4.75	1.02±0.20	50m
1/2	12.7	6.35	1.22±0.20	30m
3/4	19.1	9.55	1.45±0.28	30m
1	25.4	12.7	1.78±0.28	30m
1-1/2	38.1	19.0	2.41±0.41	30m
2	50.8	25.1	2.79±0.41	1m
3	76.20	38.10	3.18±0.41	1m

Specifications

Item		Specifications
Shrink Temperature (°C)		175
Operating Temperature Range (°C)		—65~150
Tensile Strength (Mpa)		≥11.7
Elongation at Break (%)		≥250
Longitudinal Change		<10
Aging in Circulation-air oven		150°C, 168hrs
After Aging	Tensile Strength (Mpa)	≥10.3
	Elongation at Break (%)	≥200
Volume Resistance (Ω.cm)		1.0x10 ¹¹
Dielectric strength		≥11.9
Water Absorption		≤ 2
Elongation after Fluid Resistance		≥175
After Aging	Tensile Strength (Mpa)	≥10.4
	Elongation at Break (%)	≥200
	Dielectric strength	≥7.9

Availability Four-foot lengths, master reels and cut pieces

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