

Medium-Wall Heat-Shrinkable Tubing

HSMW Series

3:1 Shrink Ratio

- More flexible than heavy-wall products
- Seals and protects cable splices and terminations
- High resistance to impact and abrasion
- Shrink temperature of 120°C
- Continuous operating temperature: -55°C to 110°C
- Thermoplastic adhesive liner guarantees complete environmental protection and insulation
- UV rated (ASTM G53)

Medium-Wall Heat-Shrinkable Tubing

Cat. No.	Min. Expanded I.D. (in.)	Max. Recovered I.D. (in.)	Nominal Recovered Wall (in.)	Code Cable Size	Standard Length (in.)	Std. Pkg. Qty.
HSMW400-48	0.40	0.15	0.08	#4–#14 AWG	48	25
HSMW750-48	0.75	0.22		4/0–#8 AWG		
HSMW1100-48	1.10	0.40		400–#1 AWG		
HSMW1300-48	1.30			600–#1 AWG		
HSMW1500-48	1.50	0.50		750–3/0 kcmil		
HSMW1700-48	1.70			1000–2/0 kcmil		
HSMW2050-48	2.05	0.75		250–600 kcmil		
HSMW2750-48	2.75	1.00	0.10	500–1000 kcmil		15
HSMW3500-48	3.50	1.18		750–1250 kcmil		10
HSMW4700-48	4.70	1.57	0.11	1500–2500 kcmil		5
HSMW6700-48	6.70	2.30		—		
HSMW9000-48	9.00	3.00	0.12	—		

Order multiple is std. pkg.

HSMW Series Specifications

Property	Test Method	Typical Performances
Physical		
Tensile Strength		2100 psi (14.5 MPa)
Elongation	ASTM D412, ISO 37	550%
Elongation after Heat Aging (168 hrs. at 150°C)		500%
Heat Shock (4 hrs. at 225°C)		No cracking or flowing
Longitudinal Change	ASTM D2671	+1%, -10%
Low Temperature Flexibility (4 hrs. at -55°C)		No cracking
Specific Gravity	ASTM D792, ISO/R1183	1.1
Hardness (Shore D)	ASTM D2240	50D
Electrical		
Dielectric Strength	ASTM D149, IEC 243	500 V/Mil (20kV/mm)
Dielectric Voltage Withstand (2500 V, 600Hz, 1 Min.)	UL 486D	No Breakdown, 24kV-1 min., 15kV-4 hrs.
Volume Resistivity	ASTM D257	1016 ohm-cm
Chemical		
Fluid Resistance	MIL-DTL-23053/5, ISO 1817, ISO 37	Good to Excellent
Fungus Resistance	ASTM G21	No growth
Copper Corrosion	ASTM D2671	No corrosion
Water Absorption	ASTM D570	0.1%
Adhesive		
Adhesive Lap Shear (1 in./min. at 23°C)	ASTM D1002 (mod.)	125 psi (0.875 MPa)
Adhesive Softening Point	ASTM E28	92°C/-5°C
Adhesive Peel Strength (300mm/min. at 23°C)	ASTM D 1000	35 linear lb./in. 20 linear lb./in.
— to steel, aluminum, P.E. — PVC		
Adhesive Blocking (30°C)	ASTM D1146	No blocking
Water Penetration	STM 706	No penetration after 286 hrs. of continuous immersion