

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 (AWG) or kcmil	Standard length (in.)	Std. pkg. qty.
HSMW400-48	0.40	0.15	0.08	#4-#14	48	25
HSMW750-48	0.75	0.22	0.08	4/0-#8	48	25
HSMW1100-48	1.10	0.40	0.08	400-#1	48	25
HSMW1300-48	1.30	0.40	0.08	600-#1	48	25
HSMW1500-48	1.50	0.50	0.08	750-3/0	48	25
HSMW1700-48	1.70	0.50	0.08	1,000-2/0	48	25
HSMW2050-48	2.05	0.75	0.08	250-600	48	25
HSMW2750-48	2.75	1.00	0.08	500-1,000	48	15
HSMW3500-48	3.50	1.18	0.10	750-1,250	48	10
HSMW4700-48	4.70	1.57	0.11	1500-2,500	48	10
HSMW6700-48	6.70	2.30	0.11	-	48	10
HSMW9000-48	9.00	3.00	0.12	-	48	5

Order multiple is std. pkg.

HSMW Series specifications

Property	Test method	Typical performances
Physical		
Tensile strength	ASTM D412, ISO 37	2,100 psi (14.5 MPa)
Elongation	ASTM D412, ISO 37	550%
Elongation after heat aging (168 hrs. at 150 °C)	ASTM D412, ISO 37	500%
Heat shock (4 hrs. at 225 °C)	ASTM D2671	No cracking or flowing
Longitudinal change	ASTM D2671	+1%, -10%
Low temperature flexibility (4 hrs. at -55 °C)	ASTM D2671	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 (20 kV/mm)
Dielectric voltage withstand (2500 V, 600 Hz, 1 min.)	UL 486D	No breakdown, 24 kV-1 min., 15 kV-4 hrs.
Volume resistivity	ASTM D257	1,016 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)		
- To steel, aluminum, P.E.	ASTM D 1000	35 linear lb/in.
- PVC	ASTM D 1000	20 linear lb/in.
Adhesive blocking (30 °C)	ASTM D1146	No blocking
Water penetration	STM 706	No penetration after 286 hrs. of continuous immersion