

PRODUCT INFORMATION



IDENTIFICATION AND PROTECTION SYSTEMS

Product Reference: **OSH 3:1(HW)**

HEAVY WALL HEATSHRINK POLYOLEFIN TUBING

Heavy wall heatshrinkable tubing provides maximum reliability for insulating and protecting cable joints and terminations.

Features:

- Withstands severe mechanical requirements of U.R.D., submersible and direct burial installations
- High impact, abrasion, corrosion and chemical resistance
- Rated for 600V, 90°C continuous use
- Meets: UL 486D, CSA C22.2 No. 198.2, ANSI C119-1, Western Underground Guide Numbers 2.4, 2.5, ICEA and NEMA insulation thickness requirements
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C
- Standard Colours: Black, Red

DIMENSIONS

Order Ref No.	Expanded	Recovered		Application Range For general Use	600/100V Single Conductor Size	Lengths
	Internal Diameter	Internal Diameter	Wall Thickness (Nom)			
	D	d	w			
	MM	MM	MM			
SH89/30(HW)	8.9	3.0	1.8	3.5-8	#14-#10	1.2
SH130/41(HW)	13.0	4.1	2.4	4.5-11	#8-#6	1.2
SH191/61(HW)	19.1	6.1	2.4	6.5-16.5	#6-#2	1.2
SH279/89(HW)	27.9	8.9	3.0	10-24	#1-3/0	1.2
SH381/119(HW)	38.1	11.9	4.1	13.35	2/0-350	1.2
SH508/160(HW)	50.8	16.0	4.1	17.5-44	250-500	1.2
SH681/221(HW)	68.1	22.1	4.1	24-59	600-1000	1.2
SH899/300(HW)*	89.9	30.0	4.1	33-80	800-1250	1.2
SH1199/399(HW)*	119.9	39.9	4.3	44-104	1500-2500	1.2

* not UL or CSA listed

The information contained in this Data Sheet was correct at the time of printing but Siegrist-Orel Ltd reserve the right to alter or amend without notice any of the specifications, dimensions and particulars contained herein and, therefore, customers should ensure that data remains as listed by checking with the company prior to ordering.

OSH3:1(HW) Technical Data

Physical

Property	Test Method	Typical
Performance		
Tensile Strength	ASTM D412, ISO 37	14.5 MPa
Elongation	ASTM D412, ISO 37	600%
Longitudinal Change	ASTM D2671	+1%, -10%
Specific Gravity	ASTM D792	1.1
Elongation after Heat Aging (168 hrs at 150°C)	ASTM D2671	500%
Heat Shock (4hrs at 225°C)	ASTM D2671	No cracking/flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking
Hardness (Shore D)	ASTM D2240	50D
Electrical		
Dielectric Strength	ASTM-D149	20kV/mm
Dielectric Voltage Withstand 24kV-1min, (2500 V, 60Hz, 1 min.)	UL 486D	No Breakdown, 15kV-4hrs
Volume Resistivity	ASTM D257	10 ¹⁶ ohm-cm
Chemical		
Fluid Resistance	MIL-DTL-23053/5	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.1%
Fungus Resistance	ASTM G21	No Growth