

DRS-1 Heat Shrinkable Thin Wall Tubing

Application

It is applicable to insulation protection and reinforcement of wire cable, electronic wiring harness and a variety of termination ends, connection components, solder joint, and so on.

Technical Data

Property	Condition	Performance
Tensile Strength		≥ 12MPa
Elongation		≥ 400%
Tensile Strength after Aging	7 Days Air Oven at 158°C	≥ 10MPa
Elongation after Aging		≥ 300%
Deformation Test	131°C, 1h	≤ 25%
Heat Shock Test	250°C, 4h	No Cracking
Flexibility Test	7 Days Air Oven at 158°C	No Cracking, No Permanent Deformation
Conductor Corrosion		No Corrosion
Volume Resistivity		≥ 10 ¹⁴ Ω·cm
Dielectric Withstand		2.5KV 60s, No Breakdown
Breakdown Voltage		≥ 10 KV
Dielectric Strength		≥ 25KV/mm
Dielectric Withstand after Aging	7 Days Air Oven at 158°C	2.5KV 60s, No Breakdown
Breakdown Voltage after Aging		≥ 10 KV
Cold Bend Test	-30°C, 1h	No Cracking
Longitudinal Vhange	3 min Air Oven at 200°C	± 5%
Eccentricity		≤ 30%
Flammability		VW-1
Full Shrinkage Temperature	3 min	90°C

Specifications

Size (mm)	As supplied		After recovery		Len. (m) per roll
	I.D.(mm)	Wall (mm)	I.D.(mm)	Wall (mm)	
1.0/0.5	1.4±0.3	0.20±0.05	0.4±0.1	0.40±0.05	200
1.5/0.75	1.9±0.3	0.20±0.05	0.6±0.1	0.40±0.05	200
2.0/1.0	2.4±0.3	0.25±0.05	0.9±0.1	0.45±0.10	200
2.5/1.25	2.9±0.3	0.25±0.05	1.1±0.1	0.45±0.10	200
3.0/1.5	3.4±0.3	0.25±0.05	1.4±0.1	0.45±0.10	100
3.5/1.75	3.9±0.3	0.25±0.05	1.6±0.1	0.45±0.10	100
4.0/2.0	4.4±0.3	0.25±0.05	1.8±0.1	0.45±0.10	200
4.5/2.0	4.9±0.3	0.35±0.05	1.9±0.1	0.55±0.10	100
5.0/2.5	5.4±0.3	0.35±0.05	2.3±0.2	0.55±0.10	100
6.0/3.0	6.4±0.4	0.35±0.05	2.8±0.2	0.55±0.10	100
7.0/3.5	7.4±0.4	0.35±0.05	3.3±0.2	0.55±0.10	100
8.0/4.0	8.4±0.4	0.35±0.05	3.8±0.2	0.55±0.10	100
9.0/4.5	9.4±0.4	0.35±0.05	4.3±0.2	0.55±0.10	100
10.0/5.0	10.5±0.4	0.35±0.05	4.8±0.2	0.60±0.10	100
11.0/5.5	11.5±0.4	0.35±0.05	5.3±0.2	0.60±0.10	100
12.0/6.0	12.5±0.4	0.35±0.10	5.7±0.3	0.70±0.10	100
13.0/6.5	13.5±0.4	0.35±0.10	6.2±0.3	0.70±0.10	100
14.0/7.0	14.5±0.4	0.35±0.10	6.7±0.3	0.70±0.10	100
15.0/7.5	15.5±0.5	0.35±0.10	7.2±0.3	0.70±0.10	100
16.0/8.0	16.5±0.5	0.35±0.10	7.7±0.3	0.70±0.10	100
17.0/8.5	17.5±0.5	0.35±0.10	8.2±0.3	0.70±0.10	100
18.0/9.0	19.0±0.5	0.40±0.10	8.7±0.3	0.80±0.10	50
20.0/10.0	21.0±0.5	0.50±0.10	9.7±0.3	0.90±0.10	50
22.0/11.0	22.8±0.8	0.50±0.10	10.0±1.0	0.90±0.10	50
25.0/12.5	25.8±0.8	0.50±0.10	11.0±1.0	0.90±0.10	25
28.0/14.0	28.8±0.8	0.50±0.10	13.0±1.0	0.90±0.10	25
30.0/15.0	30.8±0.8	0.50±0.10	14.0±1.0	1.00±0.20	25
35.0/17.5	35.8±0.8	0.50±0.10	16.0±1.0	1.00±0.20	25
40.0/20.0	42.0±1.5	0.50±0.10	19.0±1.0	1.00±0.20	25
50.0/25.0	51.0±1.0	0.50±0.10	24.0±1.0	1.00±0.20	25

(Standard Colors: BLACK, WHITE, RED, YELLOW, BLUE, GREEN, GREY)