

S2(n) Halogen Free, Environmental Friendly Heat Shrinkable Tubing

Voltage Class 600V~1kV Ideal for electronic wire and component insulation and protection

Heat Shrinkable tubing with all new halogen free formula. Environmental friendly, will not produce toxic smoke or harmful substance such as dioxin when burned. Excellent performance of insulation, elasticity and flexibility.



Applications

Commonly used for electronic insulation and protection, strain relief and wire bundling. Common application would be in the electronic systems of subway, airplane, submarine, and other control room facilities / sealed environment.

Features/Benefits

- Shrink Ratio: 2:1, 3:1, 4:1
- Halogen Free, Environmental Friendly
- Comply with RoHS health & safety regulation

Temperature Range

Operating Temperature :
-40 °C ~ 125 °C
Shrink Temperature :
125 °C

Colour

Red, Blue, Yellow, Black, Green, Transparent

Standard Compliance

RoHS

Product Code Cross References

Raychem	: VERSAFITV2
DSG Canusa	: DERAY-H
Sumitomo	: F32 / F2(z)
LG	: GSHS-1625

Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥10Mpa
Break down elongation	ASTM D2671	> 400%
longitudinal shrink ratio	ASTM D2671	±5%
Heat shock (200°C)	ASTM D2671	No drop/no flow
Flame retardant	ASTM D2863	Oxygen Index >27
Dielectric strength	ASTM D2671	> 15kV/mm
Volume Resistivity	ASTM D2671	> 10 ¹⁴ Ωcm
Water absorption	ASTM D570	< 0.5%

Product Selection(S2(n) with Shrink Ratio 2:1)

Product Code	Before shrink	After shrink		Standard Package (m/roll)
	ID (mm)	Max. ID (mm)	Min. wall Thickness (mm)	
S2(n)-Φ0.6	0.9±0.2	0.40	0.22	200
S2(n)-Φ0.8	1.0±0.2	0.50	0.22	200
S2(n)-Φ1.0	1.5±0.2	0.65	0.28	200
S2(n)-Φ1.5	1.9±0.2	0.75	0.32	200
S2(n)-Φ2.0	2.5±0.2	1.00	0.35	200
S2(n)-Φ2.5	3.0±0.3	1.25	0.38	200
S2(n)-Φ3.0	3.7±0.3	1.50	0.40	200
S2(n)-Φ3.5	4.2±0.3	1.75	0.42	200
S2(n)-Φ4.0	4.7±0.3	2.00	0.55	200
S2(n)-Φ4.5	5.0±0.3	2.30	0.50	100
S2(n)-Φ5.5	5.5±0.3	2.50	0.55	100
S2(n)-Φ6.0	6.5±0.4	3.00	0.55	100
S2(n)-Φ7.0	7.5±0.4	3.50	0.55	100
S2(n)-Φ8.0	8.5±0.4	4.00	0.60	100
S2(n)-Φ9.0	9.5±0.4	4.50	0.60	100
S2(n)-Φ10	10.5±0.4	5.00	0.60	100
S2(n)-Φ11	11.5±0.4	5.50	0.60	100
S2(n)-Φ12	12.5±0.4	6.00	0.60	100
S2(n)-Φ13	13.5±0.4	6.50	0.65	100
S2(n)-Φ14	14.5±0.4	7.00	0.65	100
S2(n)-Φ15	16±0.5	7.50	0.70	100
S2(n)-Φ16	17±0.5	8.00	0.70	100
S2(n)-Φ17	17.5±0.5	8.00	0.70	100
S2(n)-Φ18	19.0±.5	9.00	0.80	100
S2(n)-Φ20	21±0.5	10.00	0.80	100
S2(n)-Φ22	23±0.6	11.00	0.80	100
S2(n)-Φ25	27.4±0.8	12.50	0.90	50
S2(n)-Φ28	29±0.8	14.00	0.90	50
S2(n)-Φ30	32±1.0	15.00	0.90	50
S2(n)-Φ35	37±1.0	17.50	1.00	50
S2(n)-Φ40	42.0±1.0	20.00	1.00	50
S2(n)-Φ45	46.0±1.0	22.50	1.00	25
S2(n)-Φ50	51.0±1.0	25.00	1.00	25
S2(n)-Φ60	≥60	31.0	1.30	25
S2(n)-Φ70	≥70	36.0	1.46	25
S2(n)-Φ80	≥80	41.0	1.46	25
S2(n)-Φ90	≥90	46.0	1.46	25
S2(n)-Φ100	≥100	51.0	1.46	25
S2(n)-Φ120	≥120	61.0	1.56	15
S2(n)-Φ150	≥150	76.0	1.56	15
S2(n)-Φ180	≥180	91.0	1.56	15

Product Selection(S2(n) with Shrink Ratio 3:1)

Product Code	Before shrink	After shrink		Standard Package (m/roll)
	ID (mm)	Max. ID (mm)	Min. wall Thickness (mm)	
S2(n)-Φ1.5/0.5	1.5	0.5	0.50	200
S2(n)-Φ3/1	3.0	1.0	0.65	200
S2(n)-Φ4.5/1.5	4.5	1.5	0.65	100
S2(n)-Φ6/2	6.0	2.0	0.75	100
S2(n)-Φ9/3	9.0	3.0	0.95	50
S2(n)-Φ12/4	12.0	4.0	1.10	50
S2(n)-Φ15/5	15.0	5.0	1.15	50
S2(n)-Φ18/6	18.0	6.0	1.25	25
S2(n)-Φ24/8	24.0	8.0	1.5	25
S2(n)-Φ30/10	30.0	10.0	1.7	25
S2(n)-Φ39/13	39.0	13.0	1.9	1
S2(n)-Φ50/16	50.0	16.0	2.5	1
S2(n)-Φ60/20	60.0	20.0	2.6	1
S2(n)-Φ70/23	70.0	23.0	2.6	1
S2(n)-Φ80/26	80.0	26.0	2.8	1
S2(n)-Φ90/30	90.0	30.0	2.8	1
S2(n)-Φ100/33	100.0	33.0	3.0	1

ID: Internal Diameter

Product Selection(S2(n) with Shrink Ratio 4:1)

S2(n) with shrink ratio of 4:1 is available by request only.

Please contact our sales representative for further detail.

Ordering

When ordering this product, please specify 1) Product code 2) Colour 3) Quantity Required in number of rolls