

Single Wall Products

S2 Flexible Highly Flame Retardant Heat Shrinkable Tubing

Voltage Class 600V~1kV Ideal for wire terminator insulation, wire bundling and electronic component insulation

Excellent performance of flame retardant, insulation and flexibility

Applications

- Insulation and mechanical protection of wire terminal, capacitor, resistor or other electronic/electrical components
- Wire bundling and cable marking
- Other applications which require insulation, and mechanical protection.

Features/Benefits

- Shrink Ratio: 2:1, 3:1, 4:1
- Highly flame retardant, VW-1 grade
- Comply with RoHS health & safety regulation



Temperature Range

Operating Temperature :
-40 °C ~ 125 °C

Shrink Temperature :
125 °C

Colour

Red, Blue, Yellow, White, Black,
Green, Transparent

Certification

Certified by UL E236437(Φ1.0-Φ50)

Product Code Cross References

Raychem	: RNF100 / VERSAFIT
DSG Canusa	: CPS 100 / CPX876
Sumitomo	: B2(z)
LG	: GSHS-3635

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 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-Φ0.6/0.4	0.9±0.2	0.40	0.22	200
S2-Φ0.8/0.5	1.0±0.2	0.50	0.22	200
S2-Φ1/0.65	1.5±0.2	0.65	0.28	200
S2-Φ1.5/0.75	1.9±0.2	0.75	0.32	200
S2-Φ2/1	2.5±0.2	1.00	0.35	200
S2-Φ2.5/1.25	3.0±0.3	1.25	0.38	200
S2-Φ3/1.5	3.7±0.3	1.50	0.40	200
S2-Φ3.5/1.75	4.2±0.3	1.75	0.42	200
S2-Φ4/2	4.7±0.3	2.00	0.55	200
S2-Φ4.5/2.3	5.0±0.3	2.30	0.50	100
S2-Φ5/2.5	5.5±0.3	2.50	0.55	100
S2-Φ6/3	6.5±0.4	3.00	0.55	100
S2-Φ7/3.5	7.5±0.4	3.50	0.55	100
S2-Φ8/4	8.5±0.4	4.00	0.60	100
S2-Φ9/4.5	9.5±0.4	4.50	0.60	100
S2-Φ10/5	10.5±0.4	5.00	0.60	100
S2-Φ11/5.5	11.5±0.4	5.50	0.60	100
S2-Φ12/6	12.5±0.4	6.00	0.60	100
S2-Φ13/6.5	13.5±0.4	6.50	0.65	100
S2-Φ14/7	14.5±0.4	7.00	0.65	100
S2-Φ15/7.5	16±0.5	7.50	0.70	100
S2-Φ16/8	17±0.5	8.00	0.70	100
S2-Φ17/8	17.5±0.5	8.00	0.70	100
S2-Φ18/9	19.0±.5	9.00	0.80	100
S2-Φ20/10	21±0.5	10.00	0.80	100
S2-Φ22/11	23±0.6	11.00	0.80	100
S2-Φ25/12.5	27.4±0.8	12.50	0.90	50
S2-Φ28/14	29±0.8	14.00	0.90	50
S2-Φ30/15	32±1.0	15.00	0.90	50
S2-Φ35/17.5	37±1.0	17.50	1.00	50
S2-Φ40/20	42.0±1.0	20.00	1.00	50
S2-Φ45/22.5	46.0±1.0	22.50	1.00	25
S2-Φ50/25	51.0±1.0	25.00	1.00	25
S2-Φ60/31	≥60	31.0	1.30	25
S2-Φ70/36	≥70	36.0	1.46	25
S2-Φ80/41	≥80	41.0	1.46	25
S2-Φ90/46	≥90	46.0	1.46	25
S2-Φ100/51	≥100	51.0	1.46	25
S2-Φ120/61	≥120	61.0	1.56	15
S2-Φ150/76	≥150	76.0	1.56	15
S2-Φ180/91	≥180	91.0	1.56	15

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Product Selection(S2 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-Φ1.5/0.5	1.5	0.5	0.50	200
S2-Φ3/1	3.0	1.0	0.65	200
S2-Φ4.5/1.5	4.5	1.5	0.65	100
S2-Φ6/2	6.0	2.0	0.75	100
S2-Φ9/3	9.0	3.0	0.95	50
S2-Φ12/4	12.0	4.0	1.10	50
S2-Φ15/5	15.0	5.0	1.15	50
S2-Φ18/6	18.0	6.0	1.25	25
S2-Φ24/8	24	8.0	1.5	25
S2-Φ30/10	30	10.0	1.7	25
S2-Φ39/13	39	13.0	1.9	1
S2-Φ50/16	50	16	2.5	1
S2-Φ60/20	60	20	2.6	1
S2-Φ70/23	70	23	2.6	1
S2-Φ80/26	80	26	2.8	1
S2-Φ90/30	90	30	2.8	1
S2-Φ100/33	100	33	3.0	1

ID: Internal Diameter

Product Selection(S2 with Shrink Ratio 4:1)

S2 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 rolls