

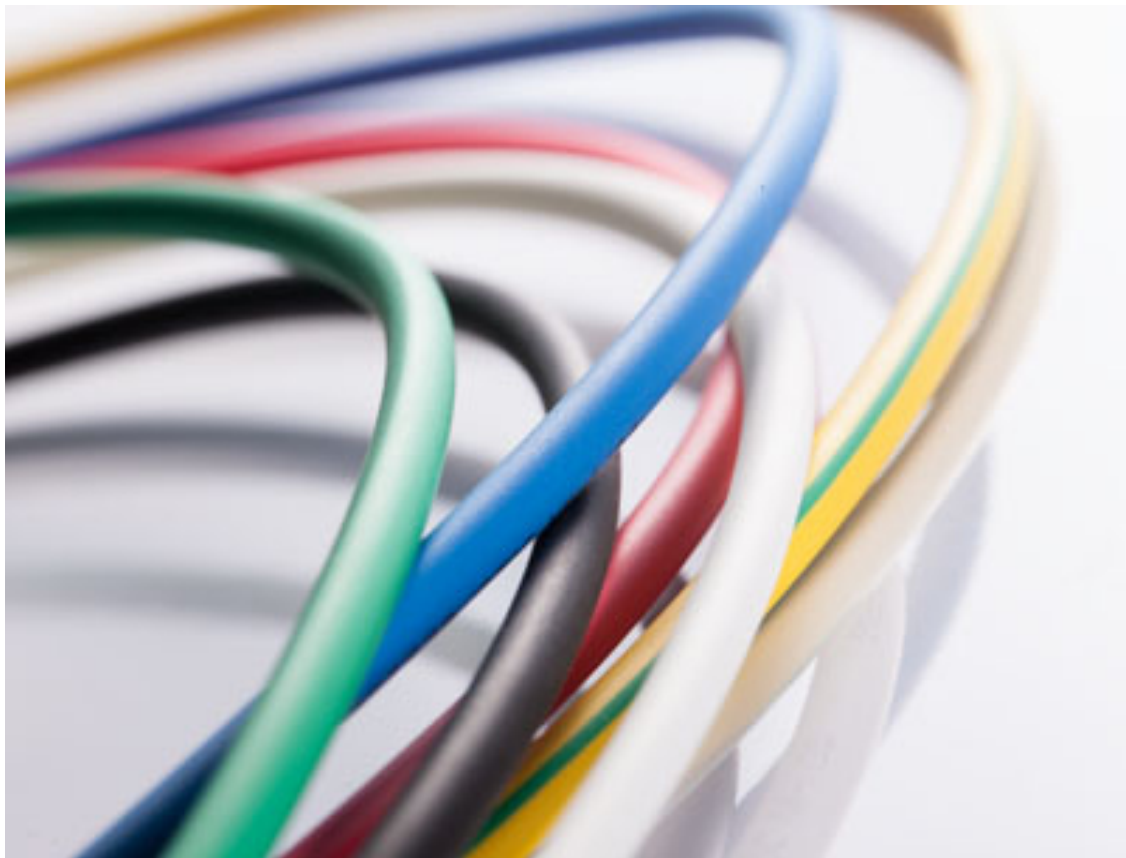


# Datasheet

## RS PRO Polyolefin heat shrinkable tubing 2:1

Stock number: see below

EN



### **Applications**

G5 is a polyolefin material heat shrinkable tubing that complies with current environmental regulations. It is widely used in industrial and commercial fields, such as outer insulation protection of wire splices, metal pipes, electronic components, and so on.

## Characteristics

Shrink ratio: 2:1

Very flexible, high flame retardant

Resistant to common solvent liquid

Excellent physical, chemical and electrical performance

Compliance with RoHS

## Operating temperature range

Operating temperature: -55°C~125°C

Minimum shrink temperature: 70°C

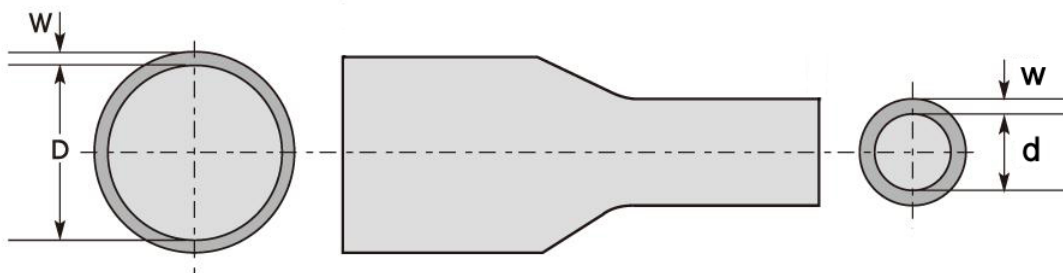
Full recovery temperature: Above 110°C

## Approvals / Specifications

UL224 File no. E337635, 125°C VW-1 600V

## Technical Data

Property	Specification Requirement	Test Method	Typical Value
Longitudinal change	-10%~10%	ASTM D2671	Pass
Tensile strength	≥10.3MPa	ASTM D638	≥11.3MPa
Elongation at break	≥200%	ASTM D638	≥400%
Tensile strength after aging	70% of unaged property value	ASTM D638 (158°C/168 hrs)	≥80%
Elongation at break after aging	≥100%	ASTM D638 (158°C/168 hrs)	≥200%
Heat shock	No cracking	ASTM D2671 (200°C/4 hrs)	No cracking
Low temperature flexibility	No cracking	ASTM D2671 (-30°C/1 hr)	No cracking
Dielectric voltage withstand	AC2500V/60S No breakdown	ASTM D2671	No breakdown
Volume resistivity	≥10 <sup>14</sup> Ω · cm	ASTM D876	≥10 <sup>14</sup> Ω · cm
Dielectric strength	≥19.7kV/mm	ASTM D2671	22 kV/mm
Flammability	VW-1	UL224	Pass



Specifications

Part Number	Color	Dimensions		
		As Supplied (mm)	After Recovery (mm)	Wall Thickness Shrunk (mm)
		D (I.D.min. )	d (I.D.max.)	w(min)
700-4620	Black	1.6	0.8	0.36
700-4624	Black	2.4	1.2	0.44
700-4630	Black	3.2	1.6	0.44
700-4649	Black	4.8	2.4	0.44
700-4646	Black	6.4	3.2	0.56
700-4658	Black	9.5	4.8	0.56
700-4661	Black	12.7	6.4	0.56
700-4664	Black	19.0	9.5	0.77
700-4668	Black	25.4	12.7	0.87
700-4677	Red	1.6	0.8	0.36
700-4670	Red	2.4	1.2	0.44
700-4674	Red	3.2	1.6	0.44
700-4683	Red	4.8	2.4	0.44
700-4686	Red	6.4	3.2	0.56
700-4680	Red	9.5	4.8	0.56
700-4699	Red	12.7	6.4	0.56
700-4692	Red	19.0	9.5	0.77
700-4696	Red	25.4	12.7	0.87
700-4706	Yellow	1.6	0.8	0.36
700-4709	Yellow	2.4	1.2	0.44
700-4703	Yellow	3.2	1.6	0.44
700-4712	Yellow	4.8	2.4	0.44
700-4715	Yellow	6.4	3.2	0.56
700-4719	Yellow	9.5	4.8	0.56
700-4728	Yellow	12.7	6.4	0.56
700-4721	Yellow	19.0	9.5	0.77
700-4725	Yellow	25.4	12.7	0.87
700-4734	Blue	1.6	0.8	0.36
700-4737	Blue	2.4	1.2	0.44
700-4731	Blue	3.2	1.6	0.44
700-4740	Blue	4.8	2.4	0.44
700-4743	Blue	6.4	3.2	0.56
700-4747	Blue	9.5	4.8	0.56
700-4756	Blue	12.7	6.4	0.56
700-4759	Blue	19.0	9.5	0.77
700-4753	Blue	25.4	12.7	0.87
700-4762	White	1.6	0.8	0.36
700-4765	White	2.4	1.2	0.44
700-4769	White	3.2	1.6	0.44
700-4778	White	4.8	2.4	0.44
700-4771	White	6.4	3.2	0.56
700-4775	White	9.5	4.8	0.56
700-4784	White	12.7	6.4	0.56
700-4787	White	19.0	9.5	0.77
700-4781	White	25.4	12.7	0.87

**CROSS REFERENCE LIST**

RS Stock No.	Description
700-4620	Heatshrink tube black 1.6 <sup>3</sup> mm
700-4624	Heatshrink tube black 2.4mm

700-4630	Heatshrink tube black 3.2mm
700-4649	Heatshrink tube black 4.8mm
700-4646	Heatshrink tube black 6.4mm
700-4658	Heatshrink tube black 9.5mm
700-4661	Heatshrink tube black 12.7mm
700-4664	Heatshrink tube black 19.0mm
700-4668	Heatshrink tube black 25.4mm
700-4677	Heatshrink tube red 1.6mm
700-4670	Heatshrink tube red 2.4mm
700-4674	Heatshrink tube red 3.2mm
700-4683	Heatshrink tube red 4.8mm
700-4686	Heatshrink tube red 6.4mm
700-4680	Heatshrink tube red 9.5mm
700-4699	Heatshrink tube red 12.7mm
700-4692	Heatshrink tube red 19.0mm
700-4696	Heatshrink tube red 25.4mm
700-4706	Heatshrink tube yellow 1.6mm
700-4709	Heatshrink tube yellow 2.4mm
700-4703	Heatshrink tube yellow 3.2mm
700-4712	Heatshrink tube yellow 4.8mm
700-4715	Heatshrink tube yellow 6.4mm
700-4719	Heatshrink tube yellow 9.5mm
700-4728	Heatshrink tube yellow 12.7mm
700-4721	Heatshrink tube yellow 19.0mm
700-4725	Heatshrink tube yellow 25.4mm
700-4734	Heatshrink tube blue 1.6mm
700-4737	Heatshrink tube blue 2.4mm
700-4731	Heatshrink tube blue 3.2mm
700-4740	Heatshrink tube blue 4.8mm
700-4743	Heatshrink tube blue 6.4mm
700-4747	Heatshrink tube blue 9.5mm
700-4756	Heatshrink tube blue 12.7mm
700-4759	Heatshrink tube blue 19.0mm
700-4753	Heatshrink tube blue 25.4mm
700-4762	Heatshrink tube white 1.6mm
700-4765	Heatshrink tube white 2.4mm
700-4769	Heatshrink tube white 3.2mm
700-4778	Heatshrink tube white 4.8mm
700-4771	Heatshrink tube white 6.4mm
700-4775	Heatshrink tube white 9.5mm
700-4784	Heatshrink tube white 12.7mm
700-4787	Heatshrink tube white 19.0mm
700-4781	Heatshrink tube white 25.4mm