

低压热缩管

Section D

Thin Wall and Dual Wall Tubing



低温热缩套管 Thin Wall Heat Shrinkable Tubing (RDRS 2X)

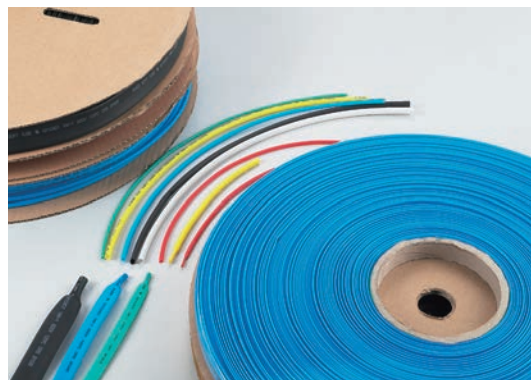
Shrink Ratio 2:1

应用 Application:

热缩套管具有低温收缩、柔软阻燃、绝缘防蚀等功能，广泛应用于电线的连接、标志和结束，金属管、棒的防锈防蚀、天线保护等。

The fire resistant heat shrinkable tubing are provided with the function of low-temperature contraction, flexibility, fire resistance, insulation and corrosion prevention and so on. These are widely used for connecting, marking and strapping the wire and protect the metal tubes, bars and antenna from rusting and corroding.

- Standard colors: Black, Red, Green, Yellow, Blue, White, Clear
- Special colors are available on request



技术数据 Technical Data:

测试项目 Property	测试方法 Test method	典型数据 Typical data
工作温度 Operating temperature (°C)	UL 224	-50 to +125
抗拉强度 Tensile strength (Mpa)	ASTM D 2671	≥ 14
断裂伸长率 Elongation at break (%)	ASTM D 2671	>400
纵向收缩率 Longitudinal shrinkable ratio (%)	UL 224	0 ± 5
偏壁率 Eccentricity (%)	ASTM D 2671	<30
热老化断裂伸长率 Heat aging tensile strength ultimate elongation	158°C/168hrs	≥ 300
阻燃率 Flammability	VW-1	Pass
体积电阻率 Volume resistance (Ω.cm)	IEC 93	>10 ¹⁴
铜稳定性 Copper stability	UL 224	Pass

选型尺寸 Product Dimensions:

Normal size (mm)	AS supplied(mm)		After recovered(mm)		Standard Length (m/spool)
	Inside Diameter(Min)	Wall Thickness(Max)	Inside Diameter(Max)	Wall Thickness(Max)	
1.0/0.5	1.0	0.175 ± 0.05	0.5	0.35 ± 0.08	200
1.5/0.75	1.5	0.175 ± 0.05	0.8	0.35 ± 0.08	200
2.0/1.0	2.0	0.19 ± 0.05	1.0	0.38 ± 0.08	200
2.5/1.25	2.5	0.20 ± 0.05	1.3	0.40 ± 0.08	200
3.0/1.5	3.0	0.20 ± 0.05	1.5	0.40 ± 0.08	200
3.5/1.75	3.5	0.20 ± 0.05	1.8	0.40 ± 0.08	200
4.0/2.0	4.0	0.225 ± 0.05	2.0	0.45 ± 0.08	200
5.0/2.5	5.0	0.225 ± 0.05	2.5	0.45 ± 0.08	100
6.0/3.0	6.0	0.225 ± 0.05	3.0	0.45 ± 0.08	100
7.0/3.5	7.0	0.225 ± 0.05	3.5	0.45 ± 0.08	100
8.0/4.0	8.0	0.225 ± 0.05	4.0	0.45 ± 0.08	100
9.0/4.5	9.0	0.25 ± 0.05	4.5	0.50 ± 0.08	100
10.0/5.0	10.0	0.25 ± 0.05	5.0	0.50 ± 0.08	100
11.0/5.5	11.0	0.25 ± 0.05	5.5	0.50 ± 0.08	100
12.0/6.0	12.0	0.25 ± 0.05	6.0	0.50 ± 0.08	100
13.0/6.5	13.0	0.25 ± 0.05	6.5	0.50 ± 0.08	100
14.0/7.0	14.0	0.275 ± 0.06	7.0	0.55 ± 0.10	100
15.0/7.5	15.0	0.275 ± 0.06	7.5	0.55 ± 0.10	100
16.0/8.0	16.0	0.30 ± 0.06	8.0	0.60 ± 0.10	100
18.0/9.0	18.0	0.30 ± 0.06	9.0	0.60 ± 0.10	50

低温热缩套管 (母线排绝缘)Thin Wall Heat Shrinkable Tubing (RDRS 2X)

Shrink Ratio 2:1

应用 Application:

热缩套管具有低温收缩、柔软阻燃、绝缘防蚀等功能，广泛应用于电线的连接、标志和结束，低压母线排的绝缘保护等。

The fire resistant heat shrinkable tubing are provided with the function of low-temperature contraction, flexibility, fire resistance, insulation and corrosion prevention and so on. These are widely used for connecting, marking and strapping the wire and protect the metal tubes, bars and antenna from rusting and corroding.

- Standard colors: Black, Red, Green, Yellow, Blue, White, Clear
- Special colors are available on request



技术数据 Technical Data:

测试项目 Property	测试方法 Test method	典型数据 Typical data
工作温度 Operating temperature (°C)	UL 224	-50 to +125
抗拉强度 Tensile strength (Mpa)	ASTM D 2671	≥ 14
断裂伸长率 Elongation at break (%)	ASTM D 2671	>400
纵向收缩率 Longitudinal shrinkable ratio (%)	UL 224	0 ± 5
偏壁率 Eccentricity (%)	ASTM D 2671	<30
热老化断裂伸长率 Heat aging tensile strength ultimate elongation	158°C/168hrs	≥ 300
阻燃率 Flammability	VW-1	Pass
体积电阻率 Volume resistance (Ω.cm)	IEC 93	>10 ¹⁴
铜稳定性 Copper stability	UL 224	Pass

选型尺寸 Product Dimensions:

Normal size (mm)	AS supplied(mm)		After recovered(mm)		Standard Length (m/spool)
	Inside Diameter(Min)	Wall Thickness(Max)	Inside Diameter(Max)	Wall Thickness(Max)	
RDRS-20.0/10.0	20.0	0.325 ± 0.06	10.0	0.65 ± 0.10	50
RDRS-22.0/11.0	22.0	0.325 ± 0.06	11.0	0.65 ± 0.10	50
RDRS-25.0/12.5	25.0	0.35 ± 0.06	12.5	0.70 ± 0.10	25
RDRS-28.0/14.0	28.0	0.40 ± 0.06	14.0	0.80 ± 0.10	25
RDRS-30/15	30.0	0.40 ± 0.06	15.0	0.80 ± 0.10	25
RDRS-35/17.5	35.0	0.425 ± 0.10	17.5	0.85 ± 0.15	25
RDRS-40/20	40.0	0.425 ± 0.10	20.0	0.85 ± 0.15	25
RDRS-50/25	50.0	0.425 ± 0.10	25.0	0.85 ± 0.15	25
RDRS-60/30	60.0	0.45 ± 0.10	30.0	0.90 ± 0.15	25
RDRS-70/35	70.0	0.45 ± 0.10	35.0	0.90 ± 0.15	25
RDRS-80/40	80.0	0.45 ± 0.10	40.0	0.90 ± 0.15	25
RDRS-90/45	90.0	0.50 ± 0.10	45.0	1.00 ± 0.15	25
RDRS-100/50	100.0	0.55 ± 0.10	50.0	1.10 ± 0.15	25
RDRS-120/60	120.0	0.60 ± 0.10	60.0	1.20 ± 0.15	25
RDRS-150/75	150.0	0.65 ± 0.10	75.0	1.30 ± 0.15	25
RDRS-200/100	200.0	0.65 ± 0.10	100.0	1.30 ± 0.15	25
RDRS-230/115	230.0	0.65 ± 0.10	115.0	1.30 ± 0.15	25

低温热缩套管 Thin Wall Heat Shrinkable Tubing (RDRS 3X)

Shrink Ratio 3:1

应用 Application:

With outstanding physical, chemical and electrical property, it widely used for electrical insulation, bunding to prevent corrosion and provide mechanical protection. 3:1 shrink ratio more suitable for application to irregular, awkward shapes.

- High flexible, flame retardant
- Operating temperature: -55°C to +135°C
- Minimum shrink temperature: 70°C
- Minimum fully recovery temperature: 105°C
- Standard color: Black
- Special color: Red, Blue, Yellow, Green, Clear



技术数据 Technical Data:

测试项目 Property	测试方法 Test method	典型数据 Typical data
工作温度 Operating temperature (°C)	UL 224	-50 to +125
抗拉强度 Tensile strength (Mpa)	ASTM D 2671	≥ 14
断裂伸长率 Elongation at break (%)	ASTM D 2671	400
纵向收缩率 Longitudinal shrinkable ratio (%)	UL 224	0 ± 5
偏壁率 Eccentricity (%)	ASTM D 2671	<30
热老化断裂伸长率 Heat aging tensile strength ultimate elongation	158°C/168hrs	≥ 300
阻燃率 Flammability	VW-1	Pass
体积电阻率 Volume resistance (Ω.cm)	IEC 93	>10 ¹⁴
铜稳定性 Copper stability	UL 224	Pass

选型尺寸 Product Dimensions:

Normal size (mm)	Inch	AS supplied(mm)	After recovered(mm)		Standard Length (m/spool)
		Inside Diameter(Min)	Inside Diameter(Max)	Wall Thickness(Min)	
RDRS3X-1.5/0.5	1/16	1.6	0.5	0.45	200
RDRS3X-3.0/1.0	1/8	3.2	1.0	0.55	200
RDRS3X-4.5/1.5	3/16	4.8	1.5	0.60	100
RDRS3X-6.0/2.0	1/4	6.4	2.0	0.65	100
RDRS3X-9.0/3.0	3/8	9.5	3.0	0.75	100
RDRS3X-12.0/4.0	1/2	12.7	4.0	0.80	50
RDRS3X-18.0/6.0	3/4	19.1	6.0	0.90	50
RDRS3X-24.0/8.0	1	25.4	8.0	1.20	50
RDRS3X-39.0/13.0	1 1/2	39.0	13.0	1.25	50
RDRS3X-50.0/17.0	2	51.0	17.0	1.30	50
RDRS3X-60.0/20.0	2 1/2	65.0	20.0	1.35	50

黄绿双色热缩套管 Yellow/Green Heat Shrinkable Tubing (RYG 2X)

Shrink Ratio 2:1

应用 Application:

With outstanding physical, chemical and electrical property, it widely used for electrical insulation, bunding to prevent corrosion and provide mechanical protection. 3:1 shrink ratio more suitable for application to irregular, awkward shapes.

- Very flexible, highly flame retardant (except clear)
- Operating temperature: -55°C to +135°C
- Minimum shrink temperature: 70°C
- Minimum fully recovery temperature: 105°C
- Standard color: Yellow/Green



技术数据 Technical Data:

测试项目 Property	测试方法 Test method	典型数据 Typical data
工作温度 Operating temperature (°C)	UL 224	-50 to +125
抗拉强度 Tensile strength (Mpa)	ASTM D 2671	≥ 14
断裂伸长率 Elongation at break (%)	ASTM D 2671	400
纵向收缩率 Longitudinal shrinkable ratio (%)	UL 224	0 ± 5
偏壁率 Eccentricity (%)	ASTM D 2671	<30
热老化断裂伸长率 Heat aging tensile strength ultimate elongation	158°C/168hrs	≥ 300
阻燃率 Flammability	VW-1	Pass
体积电阻率 Volume resistance (Ω.cm)	IEC 93	>10 ¹⁴
铜稳定性 Copper stability	UL 224	Pass

选型尺寸 Product Dimensions:

Normal size (mm)	AS supplied (mm)		After recovered (mm)		Standard Length (m/spool)
	Inside Diameter (Min)	Inside Diameter (Max)	Wall Thickness (Max)		
RYG-1.0	1.0	0.65	0.28 ± 0.10		200
RYG-1.5	1.5	0.85	0.32 ± 0.10		200
RYG-2.0	2.0	1.00	0.40 ± 0.10		200
RYG-2.5	2.5	1.30	0.40 ± 0.10		200
RYG-3.0	3.0	1.50	0.40 ± 0.10		200
RYG-3.5	3.5	1.80	0.42 ± 0.10		200
RYG-4.0	4.0	2.00	0.45 ± 0.10		200
RYG-5.0	5.0	2.50	0.55 ± 0.10		100
RYG-6.0	6.0	3.00	0.55 ± 0.10		100
RYG-7.0	7.0	3.50	0.55 ± 0.10		100
RYG-8.0	8.0	4.00	0.60 ± 0.10		100
RYG-10	10	5.00	0.60 ± 0.10		100
RYG-12	12	6.00	0.65 ± 0.10		100
RYG-13	13	6.50	0.65 ± 0.10		100
RYG-14	14	7.00	0.70 ± 0.10		100
RYG-15	15	7.50	0.75 ± 0.10		100
RYG-16	16	8.00	0.75 ± 0.10		100
RYG-18	18	9.00	0.80 ± 0.10		100
RYG-20	20	10.00	0.82 ± 0.10		100
RYG-22	22	11.00	0.82 ± 0.10		100
RYG-25	25	12.50	1.00 ± 0.10		50
RYG-28	28	14.00	1.00 ± 0.10		50
RYG-30	30	15.00	1.05 ± 0.10		50
RYG-35	35	17.50	1.15 ± 0.10		50
RYG-40	40	20.00	1.20 ± 0.10		50
RYG-50	50	25.00	1.20 ± 0.10		25
RYG-60	60	30.00	1.50 ± 0.10		25
RYG-70	70	35.00	1.60 ± 0.10		25
RYG-80	80	40.00	1.70 ± 0.10		25
RYG-90	90	45.00	1.90 ± 0.10		25
RYG-100	100	50.00	2.10 ± 0.10		25
-	-	-	-		-

双壁热缩套管 Dual Wall With Adhesive Tubing (RDW 3X RDW 4X)

Shrink Ratio 3:1 & 4:1

应用 Application:

Manufactured by co-extrusion of polyolefin and hot melt adhesive. Designed to provide excellent property of both insulation and sealing. Widely used to protect auto wires, shipping wires, bundle wires and metal tubes against water and moisture.

- Operating temperature: -45°C to +125°C
- Minimum shrink temperature: 80°C
- Minimum fully recovery temperature: 120°C
- Standard color: Black, Gray



技术数据 Technical Data:

测试项目 Property	测试方法 Test method	典型数据 Typical data
抗拉强度 Tensile strength (Mpa)	ASTM D 2671	≥ 10.4
断裂伸长率 Elongation at break (%)	ASTM D 2671	>300
老化后抗拉强度 Tensile strength after aging (158°C/168hrs) (%)	ASTM D 2671	Remains 70
老化后断裂伸长率 Elongation after aging (158°C/168hrs) (%)	ASTM D 2671	>100
径向收缩率 Longitudinal shrinkage (%)	UL 224	0-10
冷弯试验 Cold bend test (-30°C/4hrs)	ASTM D 2671	No cracking
体积电阻率 Volume resistance (Ω.cm)	ASTM D 876	>10 ¹⁴
阻燃率 Flammability	ASE-AMS-DTL-23053/4	Self-extinguish in 30sec
铜稳定性 Copper stability (158°C/168hrs)	UL 224	Pass
吸水性 Water absorption (%)	ASTM D 570	<0.5

选型尺寸 Product Dimensions:

RDW Adhesive-line tubing 3:1

Normal size (mm)	(inch)	AS supplied (mm)	After recovered (mm)		Adhesive Thickness (Nom.)	Standard Length (m/spool)
		Inside Diameter (Min)	Inside Diameter (Max)	Wall Thickness (Max)		
3/1	1/8	3.0	1.0	1.00	0.5	200
4.8/1.5	3/16	4.8	4.5	1.00	0.5	100
6/2	1/4	6.0	2.0	1.00	0.5	100
9/3	3/8	9.0	3.0	1.40	0.6	50
12/4	1/2	12.0	4.0	1.60	0.8	25
19/6	3/4	19.0	6.0	2.15	0.8	25
24/8	1	24.0	8.0	2.40	1.0	25
30/10	1 1/4	30.0	10.0	2.40	1.0	25
40/13	1 1/2	40.0	13.0	2.40	1.0	25
50/19	2	50.0	19.0	2.40	1.0	25

RDW Adhesive-line tubing 4:1

Normal size (mm)	(inch)	AS supplied (mm)	After recovered (mm)		Adhesive Thickness (Nom.)	Standard Length (m/spool)
		Inside Diameter (Min)	Inside Diameter (Max)	Wall Thickness (Max)		
4/1	3/16	4.0	1.0	1.00	0.5	100
6/1.5	1/4	6.0	1.5	1.00	0.5	100
8/2	5/16	8.0	2.0	1.00	0.5	50
12/3	1/2	12.0	3.0	1.40	0.6	25
16/4	5/8	16.0	4.0	1.60	0.8	25
24/6	1	24.0	6.0	2.15	0.8	25
32/8	1 1/4	32.0	8.0	2.40	1.0	25
53/13	2	52.0	13.0	2.40	1.0	-

- Special size, cutting pieces are available on request.
- Halogen free heat shrinkable adhesive-lined tubing is available on request.

热缩型光纤接头保护套

Heat Shrinkable Fiber Optic Splice Protector (RGQT)

应用 Application:

产品包含热缩管、热熔管和不锈钢针三部份, 收缩前, 透明的外层便于检测光纤接合部位连接是否正确, 使光纤能简单安全的进行装配, 并提供防护, 收缩后可保持光纤的光传输特性, 对光纤接合处提供强度和防护。

Made up by crosslinked polyolefin, hot fusion tubing, stainless reinforcing Steel rod, Keep optic transmission properties of optical fiber provide strong protection to avoid any damages to the optical fiber during installation.

特点 Features:

- Crosslinked polyolefin
- Low shrink temperature
- Pre installed stainless steel or ceramic rod
- Accommodates single or ribbon fibers
- Wide range of sizes
- Operating temperature: -45°C to +100°C
- Min. full recovery temp: 120°C
- Standard colors: clear
- Special colors: blue, yellow, green, violet, brown, red
- Packing standard: 100pcs / bag
- We can also pack according to your request



技术数据 Technical Data:

测试项目 Property	测试方法 Test method	性能指标 typical data
拉伸强度 Tensile strength (Mpa)	ASTM D 2671	≥ 18
断裂伸长率 Elongation at break (%)	ASTM D 2671	700
密度 Density (g/cm ³)	ISO 1183	0.94
击穿强度 Dielectric strength (kV/mm)	IEC 243	≥ 20
介电常数 Dielectric constant	IEC 250	≤ 2.5
纵向收缩率 Longitudinal change (%)	ASTM D 2671	0~±5

选型尺寸 Product Dimensions:

型号 Type	接合保护套 splice protector (mm)		热熔管 fusion tube (mm)		钢针 steel rod (mm)	
	外径 O.D	长度 Length	内径 I.D	长度 Length	外径 O.D	长度 Length
RGQT-61	3.0	61	1.40	61	1.5	55
RGQT-45	3.0	45	1.40	45	1.5	40
RGQT-23	3.0	23	1.40	23	1.5	18
RGQT-61T	2.5	61	1.40	61	1.0	57
RGQT-45T	2.5	45	1.40	45	1.0	41
RGQT-40T	2.5	40	1.40	40	1.0	36
RGQT-30T	2.5	30	1.40	30	1.0	26
RGQT-25T	2.5	25	1.40	25	1.0	21

聚乙烯波纹软管

PE Flexible Pipe

应用 Application:

主要用于温度范围在 -30°C ~ 80°C 的环境中；适用于汽车、摩托车和其它机动车电线线束的护套；亦可用于机床机械，电力设备，食品机械，自动化设备，电机马达，保护电缆电线不受外力磨损及绝缘。

- 产品材质：PE 聚乙烯（polyethylene）
- 结构：内部和外部均为波浪型
- 颜色：黑色，其它颜色可定制（根据需要可开口）
- 特性：柔韧性好，表面有光泽，耐化学腐蚀

选型尺寸 Product Dimensions:

软管规格 (AD)	内径 × 外径 (mm)	弯曲半径 (mm)	包装单位 (m)
AD10.0	6.5 × 10.0	16	200
AD13.0	10.0 × 13.0	20	100
AD15.8	12.0 × 15.8	30	100
AD18.5	14.3 × 18.5	40	100
AD21.2	17.0 × 21.2	45	100
AD25.0	20.0 × 25.0	45	100
AD28.5	23.0 × 28.5	50	50
AD34.5	29.0 × 34.5	60	50
AD42.5	36.0 × 42.5	70	50
AD54.5	48.0 × 54.5	90	25



特殊包装热缩套管

Heat Shrinkable Tubing

小包装精装盒 Thin wall heat shrinkable tubing

型号 Type	尺寸 Size (Inch)	包装 M/box	颜色 Color
RDRS-A- 2/1	1/16	20Mtr	Black
RDRS-A- 2.5/1.25	3/32	20Mtr	Red
RDRS-A- 3.5/1.75	1/8	20Mtr	Red
RDRS-A- 5/2.5	3/16	20Mtr	Black
RDRS-A- 7/3.5	1/4	10Mtr	Green
RDRS-A- 10/5	3/8	10Mtr	Blue
RDRS-A- 13/6.5	1/2	5Mtr	White
RDRS-A- 16/8	5/8	5Mtr	Yellow
RDRS-A- 20/10	3/4	5Mtr	Black
RDRS-A- 25/12.5	1	5Mtr	Black



塑料盒小包装 Thin wall heat shrinkable tubing L=150mm

型号 Type	尺寸 Size (Inch)	包装 Pc/box	颜色 Color
RDRS-B- 2/1	1/16	40	Black
RDRS-B- 2.5/1.25	3/32	40	Red
RDRS-B- 3.5/1.75	1/8	20	Yellow
RDRS-B- 5/2.5	3/16	20	Black
RDRS-B- 7/3.5	1/4	16	Green
RDRS-B- 10/5	3/8	16	Blue
RDRS-B- 13/6.5	1/2	8	White



压塑盒小包装 Thin wall heat shrinkable tubing

型号 Type	尺寸 Size (Inch)	包装 Ft / spool	颜色 Color
RDRS-C- 3/1.5	1/8	25	Black
RDRS-C- 4/2	3/16	25	Black
RDRS-C- 6/3	1/4	15	Black
RDRS-C- 9/4.5	3/8	10	Black
RDRS-C- 13/6.5	1/2	10	Black



尼龙袋小包装 Dual wall heat shrinkable tubing with adhesive

型号 Type	尺寸 Size (Inch)	包装 Pc/bag	颜色 Color
RDW-A- 6.4/2.4	1/4	14	Black
RDW-A- 9.5/3.2	3/8	12	Black
RDW-A- 12.7/4.8	1/2	10	Black
RDW-A- 19.1/6.4	3/4	5	Black

