

Overview of Applications for Heat Shrink Tubing

When selecting the correct heat shrink tubing size, it is important to bear in mind the 80:20 rule. The heat shrink tubing must shrink by at least 20 % and not more than 80 % of its complete shrinkage capacity to achieve the right result. In our overview of applications you will find the best heat shrink tube for every cable diameter. The 80:20 rule has of course been taken into account in the table.

Heat Shrinkable Tubing with a shrink ratio of 2:1

HFT-A, TL27, TF21, TF24, VITON $^{\$}$ -E, TK20, TK29, TFE-2, TR27, TCN20, SE28

Heat Shrinkable Tubing with a shrinkage ratio of 3:1

With the optimal shrinkage ratio of 3:1, you can cover a wide range of applications with just a few sizes. This leads to reduced stock expenditure and requires less space. 3:1 heat shrink tubes: TF34, TF31, EPS-300, TCN20 overexpanded, TA32, TA37

Shrink ratio 2:1 Size mm		Cable/Wire Diameter
1,2/0,6		0,7 mm
, -,-		1,1 mm
		1,4 mm
	2,4/1,2	1,9 mm
3,2/1,6		2,2 mm
		2,9 mm
	4,8/2,4	3,8 mm
6,4/3,2		4,3 mm
0,4/3,2		5,7 mm
	9,5/4,7	5,8 mm
	9,3/4,7	7,7 mm
12,7/6,4		8,6 mm
		11,4 mm
	19,1/9,5	15,2 mm
25,4/12,7		17,2 mm
		22,9 mm
	38,1/19,1	30,5 mm
50,8/25,4		34,3 mm
		45,7 mm
	76,2/38,1	61,0 mm
101,6/50,8		68,6 mm
		91,4 mm

Shrink ratio 3:1 Size mm		Cable/Wire Diameter
1,5/0,5		0,7 mm
1,3/0,3		1,3 mm
	3/1	1,4 mm
	3/1	2,6 mm
6/2		2,8 mm
		5,2 mm
		5,6 mm
	12/4	8,4 mm
18/6		10,4 mm
10/0		11,2 mm
	24/8	15,6 mm
	24/0	18,4 mm
40/13		20,8 mm
		34,6 mm

Conversion from imperial to metric

Inch	1/32"	3/64"	1/16"	5/64"	3/32"	1/8"	3/16"	1/4"	3/8"
mm	0,8	1,2	1,6	2,0	2,4	3,2	4,8	6,4	9,5
Inch	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	3"	4"
mm	12,7	15,9	19,1	25,4	31,8	38,1	50,8	76,2	101,6

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The Right Heat Shrink Tube

The 80:20 rule means that a heat shrink tube should shrink by a maximum of 80 % and a minimum of 20 %.

For example:

A cable with a diameter of 5mm is to be wrapped in heat shrink tubing. In theory both sizes 6/2 and 12/4 would be suitable, since the required diameter of 5mm lies within the shrink range of both tube sizes.

Size 6/2

Maximum shrink (100 %)



Shrinkage of 4 mm



Optimum shrinkage max. (80 %)

Optimum shrinkage min. (20 %)

Shrinkage of 8 mm

Shrinkage of 6.4 mm

12

Maximum shrink (100 %)

Size 12/4

Optimum shrinkage max. (80 %)







Shrinkage of 3.2 mm

Optimum shrinkage min. (20 %)

10.4 12 Shrinkage of 1.6 mm

Size 6/2 has a range of application of between 2.8 mm and 5.2 mm and is therefore suitable for the cable diameter of 5 mm.

The smallest application diameter of size 12/4 is 5.6 mm. This size is therefore unsuitable for a cable diameter of 5 mm.

5,6

Calculator tool for Heat Shrink Tubing

The calculator tool for heat shrink tubing is a selection guide for shrink tubing sizes based on the object to be covered. Fill in your specification and the calculator presents the right tubing size according to the 80:20 rule.

Find more information under http://www.HellermannTyton.co.uk/heatshrink-calculator!

The calculator tool also checks if the heat shrink tubing you have chosen is suitable for your application. For example you can find the heat shrink tubing with the Product Search on the HellermannTyton website.

Heat Shrinkable Tubing up to 4:1 - 1 m lengths

Insulation and protection of low voltage cable jonts and terminations above and below ground.

Features and Benefits

- · Medium walled tubing with robust insulation characteristics
- Shrink tubing for above and underground cable applications
- Protects cable joints and terminations in low voltage applications
- · Coated inside with thermoplastic adhesive
- Protects against humidity and other environmental impacts after shrinking



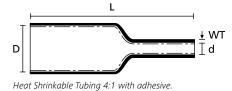
Medium wall tubing - lined or unlined.

MATERIAL

Cut lengths available on request. Please contact us!

MA47 - medium wall adhesive lined





Shrink Ratio	up to 4:1
Operating Temperature	-55 °C to +110 °C
Min. Shrink Temperature	+120 °C
Softening Point Adhesive	+85 °C
Longitudinal change after shrinkage	-10 % max.
Dielectric Strength	20 kV/mm
Flammability	not flame retarded
Insulation Class	A (VDE 0530)

HF	RoHS

Polyolefin, cross-linked (PO-X)

TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Article-No.
MA47-12/3	12.0	3.0	2.00	1.0 m	Black (BK)	323-20120
					` ′	
MA47-19/6	19.0	6.0	2.50	1.0 m	Black (BK)	323-20190
MA47-30/8	30.0	8.0	2.50	1.0 m	Black (BK)	323-20300
MA47-40/12	40.0	12.0	2.50	1.0 m	Black (BK)	323-20400
MA47-50/16	50.0	16.0	2.70	1.0 m	Black (BK)	323-20500
MA47-63/19	63.0	19.0	2.80	1.0 m	Black (BK)	323-20630
MA47-75/22	75.0	22.0	3.00	1.0 m	Black (BK)	323-20750
MA47-95/30	95.0	30.0	3.00	1.0 m	Black (BK)	323-20950
MA47-115/34	115.0	34.0	3.00	1.0 m	Black (BK)	323-21150
MA47-140/42	140.0	42.0	3.00	1.0 m	Black (BK)	323-21400

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content.

Insulation

Heat Shrinkable Cable Repair Sleeves

RMS

RMS sleeves are wrapped around the cable and closed with a steel channel. The inside of the sleeve is adhesive lined and will effectively seal the cable after shrinkage. RMS sleeves provide fast, watertight and reliable insulation.

Features and Benefits

- Fast, moisture proof and permanent repair of cable jackets
- Only 6 sizes for a wide range of cable diameters: from 15 mm up to 160 mm
- Available in 4 standard lengths and also available in custom lengths.
- Each RMS kit is ready for use and comes with instruction sheet, abrasive strip and cleaning sachet.
- The metal closure is made of 316 stainless steel for high overall corrosion resistance.
- · Weather resistant and halogen free
- TCP (thermo chromatic paint) spots indicate the sleeve has been sufficiently heated



Application video: RMS

MATERIAL	Polyolefin, chemically cross linked (PO-X)
Shrink Ratio	up to 4.5:1
Operating Temperature	-40 °C to +120 °C
Min. Shrink Temperature	+110 °C
Softening Point Adhesive	+105 °C
Longitudinal change after shrinkage	-10 % max.
Dielectric Strength	30 kV/mm
Flammability	not flame retarded

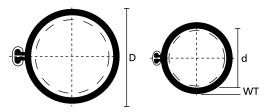




RMS wrap-around sleeves for rapid and secure cable repair on site.

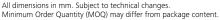


RMS: Repair sleeve, steel closure, abrasive strip, cleaning sachet, instruction sheet.



Cable Repair Sleeve RMS with adhesive

	Supplied	Recov.	Wall	Suitable for Cable Ø	Length		
TYPE	Ø D min.	Ø d max.	(WT)	from/to	(L)	Colour	Article-No.
	43	10.0	2.30	15 - 35	250.0	Black (BK)	450-20000
RMS 43-10	43	10.0	2.30	15 - 35	500.0	Black (BK)	450-20001
KIVIS 45-10	43	10.0	2.30	15 - 35	750.0	Black (BK)	450-20004
	43	10.0	2.30	15 - 35	1,000.0	Black (BK)	450-20002
	52	15.0	2.30	20 - 45	250.0	Black (BK)	450-20010
RMS 52-15	52	15.0	2.30	20 - 45	500.0	Black (BK)	450-20011
KIVIS 52-15	52	15.0	2.30	20 - 45	750.0	Black (BK)	450-20014
	52	15.0	2.30	20 - 45	1,000.0	Black (BK)	450-20012
	76	22.0	2.50	28 - 65	500.0	Black (BK)	450-20021
RMS 76-22	76	22.0	2.50	28 - 65	750.0	Black (BK)	450-20024
	76	22.0	2.50	28 - 65	1,000.0	Black (BK)	450-20022
RMS 100-30	100	30.0	2.54	35 - 85	500.0	Black (BK)	450-20030
KIVIS 100-30	100	30.0	2.54	35 - 85	1,000.0	Black (BK)	450-20031
RMS 139-38	139	38.0	2.77	45 - 120	1,000.0	Black (BK)	450-20041
RMS 185-55	185	55.0	2.74	65 - 160	1,000.0	Black (BK)	450-20050





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Heat Shrinkable Tubing 2:1 - Elastomer

SE28

SE28 is used for long-term protection of cables and wire harnesses in military equipment, motor sports and aviation.

Features and Benefits

- Flexible, high performance elastomeric heat shrink tubing
- Used in aerospace, defence, railway and automotive applications
- Resistant to diesel fuel, aviation and hydrolic fluids
- Provides a reliable protection against abrasion and mechanical damage
- Very suitable for protecting cables and wire harnesses



SE28 tubing.

MATERIAL	Elastomer, cross-linked (POA)
Shrink Ratio	2:1
Operating Temperature	-75 °C to +150 °C
Min. Shrink Temperature - °C	+170 °C
Longitudinal change after shrinkage	-10 % max.
Dielectric Strength	20 kV/mm
Flammability	VG 95343





SE28 is mainly used in high performance applications.





Heat Shrinkable Tubing 2:1

TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Reel Length	Colour	Designation as per VG-Norm	Article-No.
SE28 3,2/1,6	3.2	1.6	0.70	150 m	Black (BK)	VG 95343 T05 D 001 A	342-20000
SE28 4,8/2,4	4.8	2.4	0.80	60 m	Black (BK)	VG 95343 T05 D 002 A	342-20010
SE28 6,4/3,2	6.4	3.2	0.90	60 m	Black (BK)	VG 95343 T05 D 003 A	342-20020
SE28 9,5/4,8	9.5	4.8	1.00	60 m	Black (BK)	VG 95343 T05 D 004 A	342-20030
SE28 12,7/6,4	12.7	6.4	1.20	60 m	Black (BK)	VG 95343 T05 D 005 A	342-20040
SE28 19,0/9,5	19.0	9.5	1.40	30 m	Black (BK)	VG 95343 T05 D 006 A	342-20050
SE28 25,4/12,7	25.4	12.7	1.80	30 m	Black (BK)	VG 95343 T05 D 007 A	342-20060
SE28 38,0/19,0	38.0	19.0	2.40	30 m	Black (BK)	VG 95343 T05 D 008 A	342-20070
SE28 51,0/25,4	51.0	25.4	2.80	30 m	Black (BK)	VG 95343 T05 D 009 A	342-20080
SE28 76,0/38,0	76.0	38.0	3.20	15 m	Black (BK)	VG 95343 T05 D 010 A	342-20090
SE28 101,2/51,0	102.0	51.0	3.50	10 m	Black (BK)	VG 95343 T05 D 011 A	342-20100

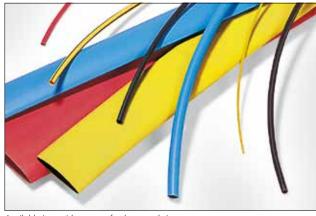
All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content.



Heat shrinkable tubing 2:1 - flexible and coloured HS-1,2m

Features and benefits

- Thin wall, flexible polyolefin tubing
- Fast shrinking and low shrink temperature
- Meets and exceeds lots of industrial standards
- Big variety of different colours and sizes
- Flame retarded and UL224 VW1 listed



Available in a wide range of colours and sizes.

MATERIAL	Polyolefin, cross-linked (PO-X)
Shrink Ratio	2:1
Operating Temperature	-55 °C to +125 °C
Min. Shrink Temperature	+70 °C
Longitudinal change after shrinkage	+/-5 %
Dielectric Strength	32 kV/mm
Flammability	ASTM D2671, UL22
Voltage Rating	600V







PART NUMBER	LV Heatshrink 2:1 Polyolefin 1.2 Metre Lengths	Wall (WT)	Colour	Pack Size
HS1.5BK/L	HEATSHRINK 1.5MM BLACK x 1.2m	0.32	Black (BK)	10
HS1.5BL/L	HEATSHRINK 1.5MM BLUE x 1.2m	0.32	Blue (BU)	10
HS1.5CL/L	HEATSHRINK 1.5MM CLEAR x 1.2m	0.32	Clear (CL)	10
HS1.5GN/L	HEATSHRINK 1.5MM GREEN x 1.2m	0.32	Green (GN)	10
HS1.5RD/L	HEATSHRINK 1.5MM RED x 1.2m	0.32	Red (RD)	10
HS1.5WH/L	HEATSHRINK 1.5MM WHITE x 1.2m	0.32	White (WH)	10
HS1.5YL/L	HEATSHRINK 1.5MM YELLOW x 1.2m	0.32	Yellow (YE)	10
HS2.5RD/L	HEATSHRINK 2.5MM RED x 1.2m	0.44	Red (RD)	10
HS2.5WH/L	HEATSHRINK 2.5MM WHITE x 1.2m	0.44	White (WH)	10
HS2.5BL/L	HEATSHRINK 2.5MM BLUE x 1.2m	0.44	Blue (BU)	10
HS2.5BK/L	HEATSHRINK 2.5MM BLACK x 1.2m	0.44	Black (BK)	10
HS2.5YG/L	HEATSHRINK 2.5MM YELLOW/GREEN x 1.2m	0.44	Yellow-Green (YEGN)	10
HS3.5RD/L	HEATSHRINK 3.5MM RED x 1.2m	0.44	Red (RD)	10
HS3.5WH/L	HEATSHRINK 3.5MM WHITE x 1.2m	0.44	White (WH)	10
HS3.5BL/L	HEATSHRINK 3.5MM BLUE x 1.2m	0.44	Blue (BU)	10
HS3.5BK/L	HEATSHRINK 3.5MM BLACK x 1.2m	0.44	Black (BK)	10
HS3.5YG/L	HEATSHRINK 3.5MM YELLOW/GREEN x 1.2m	0.44	Yellow-Green (YEGN)	10
HS3.5CL/L	HEATSHRINK 3.5MM CLEAR x 1.2m	0.44	Clear (CL)	10

All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content.



For product specific approvals and specifications please refer to the Appendix.



PART NUMBER	LV Heatshrink 2:1 Polyolefin 1.2 Metre Lengths	Wall (WT)	Colour	Pack Size	
HS5BK/L	HEATSHRINK 5MM BLACK x 1.2m	0.56	Black (BK)	5	
HS5BL/L	HEATSHRINK 5MM BLUE x 1.2m	0.56	Blue (BU)	5	
HS5CL/L	HEATSHRINK 5MM CLEAR x 1.2m	0.56	Clear (CL)	5	
HS5GN/L	HEATSHRINK 5MM GREEN x 1.2m	0.56	Green (GN)	5	
HS5RD/L	HEATSHRINK 5MM RED x 1.2m	0.56	Red (RD)	5	
HS5WH/L	HEATSHRINK 5MM WHITE x 1.2m	0.56	White (WH)	5	
HS5YL/L	HEATSHRINK 5MM YELLOW x 1.2m	0.56	Yellow (YE)	5	
HS5YG/L	HEATSHRINK 5MM YELLOW/GREEN x 1.2m	0.56	Yellow-Green (YEGN)	5	
HS7CL/L	HEATSHRINK 7MM CLEAR x 1.2m	0.56	Clear (CL)	5	
HS7GN/L	HEATSHRINK 7MM GREEN x 1.2m	0.56	Green (GN)	5	
HS7RD/L	HEATSHRINK 7MM RED x 1.2m	0.56	Red (RD)	5	
HS7WH/L	HEATSHRINK 7MM WHITE x 1.2m	0.56	White (WH)	5	
HS7BK/L	HEATSHRINK 7MM BLACK x 1.2m	0.56	Black (BK)	5	
HS7BL/L	HEATSHRINK 7MM BLUE x 1.2m	0.56	Blue (BU)	5	
HS7YL/L	HEATSHRINK 7MM YELLOW x 1.2m	0.56	Yellow (YE)	5	
HS7YG/L	HEATSHRINK 7MM YELLOW/GREEN 1.2m	0.56	Yellow-Green (YEGN)	5	
HS10BK/L	HEATSHRINK 10MM BLACK x 1.2m	0.56	Black (BK)	5	
HS10BL/L	HEATSHRINK 10MM BLUE x 1.2m	0.56	Blue (BU)	5	
HS10CL/L	HEATSHRINK 10MM CLEAR x 1.2m	0.56	Clear (CL)	5	
HS10GN/L	HEATSHRINK 10MM GREEN x 1.2m	0.56	Green (GN)	5	
HS10RD/L	HEATSHRINK 10MM RED 1.2m	0.56	Red (RD)	5	
HS10WH/L	HEATSHRINK 10MM WHITE x 1.2m	0.56	White (WH)	5	
HS10YL/L	HEATSHRINK 10MM YELLOW x 1.2m	0.56	Yellow (YE)	5	
HS10YG/L	HEATSHRINK 10MM YELLOW/GREEN x 1.2m	0.56	Yellow-Green (YEGN)	5	
HS13BK/L	HEATSHRINK 13MM BLACK x 1.2m	0.56	Black (BK)	5	
HS13BL/L	HEATSHRINK 13MM BLUE x 1.2m		Blue (BU)	5	
HS13CL/L	HEATSHRINK 13MM CLEAR x 1.2m		Clear (CL)	5	
HS13GN/L	HEATSHRINK 13MM GREEN x 1.2m		Green (GN)	5	
HS13RD/L	HEATSHRINK 13MM RED 1.2m		Red (RD)	5	
HS13WH/L	3WH/L HEATSHRINK 13MM WHITE x 1.2m		White (WH)	5	
HS13YL/L	HEATSHRINK 13MM YELLOW x 1.2m		Yellow (YE)	5	
HS13YG/L			Yellow-Green (YEGN)	5	
HS20BK/L	HEATSHRINK 20MM BLACK x 1.2m	0.76	Black (BK)	5	
HS20BL/L	HEATSHRINK 20MM BLUE x 1.2m	0.76	Blue (BU)	5	
HS20CL/L	HEATSHRINK 20MM CLEAR x 1.2m	0.76	Clear (CL)	5	
HS20GN/L	HEATSHRINK 20MM GREEN x 1.2m	0.76	Green (GN)	5	
HS20RD/L	HEATSHRINK 20MM RED x 1.2m	0.76	Red (RD)	5	
HS20WH/L	HEATSHRINK 20MM WHITE x 1.2m	0.76	White (WH)	5	
HS20YL/L	HEATSHRINK 20MM YELLOW x 1.2m	0.76	Yellow (YE)	5	
HS20YG/L	HEATSHRINK 20MM YELLOW/GREEN x 1.2m	0.76	Yellow-Green (YEGN)	5	
HS25BK/L	HEATSHRINK 25MM BLACK x 1.2m	0.86	Black (BK)	5	
HS25BL/L	HEATSHRINK 25MM BLUE x 1.2m	0.86	Blue (BU)	5	
HS25CL/L	HEATSHRINK 25MM CLEAR x 1.2m		Clear (CL)	5	
HS25GN/L			Green (GN)	5	
HS25RD/L			Red (RD)	5	
HS25WH/L			White (WH)	5	
HS25YL/L	HEATSHRINK 25MM YELLOW x 1.2m	0.86	Yellow (YE)	5	
HS25YG/L	HEATSHRINK 25MM YELLOW/GREEN x 1.2m	0.86	Yellow-Green (YEGN)	5	



All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content.

1.17

1.17

1.17

Red (RD)

White (WH)

Yellow (YE)

1

All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content.

HEATSHRINK 76MM RED x 1.2m

HEATSHRINK 76MM WHITE x 1.2m

HEATSHRINK 76MM YELLOW x 1.2m

HS76RD/L

HS76WH/L

HS76YL/L

Heat shrinkable tubing 2:1 - flexible and coloured HS-Reels

Features and benefits

- Thin wall, flexible polyolefin tubing
- Fast shrinking and low shrink temperature
- Meets and exceeds lots of industrial standards
- Big variety of different colours and sizes
- Flame retarded and UL224 VW1 listed



Available in a wide range of colours and sizes.

MATERIAL	Polyolefin, cross-linked (PO-X)
Shrink Ratio	2:1
Operating Temperature	-55 °C to +125 °C
Min. Shrink Temperature	+70 °C
Longitudinal change after shrinkage	+/-5 %
Dielectric Strength	32 kV/mm
Flammability	ASTM D2671, UL22
Voltage Rating	600V







PART NUMBER	LV Heatshrink 2:1 Polyolefin Reels	Wall (WT)	Colour	Reel Length
HS1.5RD/R300	HEATSHRINK 1.5MM RED REEL OF 300METRES		Red (RD)	300m
HS1.5WH/R300	HEATSHRINK 1.5MM WHITE REEL OF 300METRES	0.32	White (WH)	300m
HS1.5BL/R300	HEATSHRINK 1.5MM BLUE REEL OF 300METRES	0.32	Blue (BU)	300m
HS1.5BK/R300	HEATSHRINK 1.5MM BLACK REEL OF 300METRES	0.32	Black (BK)	300m
HS1.5CL/R300	HEATSHRINK 1.5MM CLEAR REEL OF 300METRES	0.32	Clear (CL)	300m
HS2.5RD/R200	HEATSHRINK 2.5MM RED REEL OF 200METRES	0.44	Red (RD)	200m
HS2.5WH/R200	HEATSHRINK 2.5MM WHITE REEL OF 200METRES	0.44	White (WH)	200m
HS2.5BL/R200	HEATSHRINK 2.5MM BLUE REEL OF 200METRES	0.44	Blue (BU)	200m
HS2.5BK/R200 HEATSHRINK 2.5MM BLACK REEL OF 200METRES		0.44	Black (BK)	200m
HS2.5CL/R200 HEATSHRINK 2.5MM CLEAR REEL OF 200METRES		0.44	Clear (CL)	200m
HS2.5YG/R200	HEATSHRINK 2.5MM YELLOW/GREEN REEL OF 200METRES	0.44	Yellow-Green (YEGN)	200m
HS3.5RD/R150	HEATSHRINK 3.5MM RED REEL OF 1500METRES	0.44	Red (RD)	150m
HS3.5WH/R150 HEATSHRINK 3.5MM WHITE REEL OF 150METRES		0.44	White (WH)	150m
HS3.5BL/R150 HEATSHRINK 3.5MM BLUE REEL OF 150METRES		0.44	Blue (BU)	150m
HS3.5BK/R150 HEATSHRINK 3.5MM BLACK REEL OF 150METRES		0.44	Black (BK)	150m
HS3.5CL/R150	HEATSHRINK 3.5MM CLEAR REEL OF 150METRES	0.44	Clear (CL)	150m

All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content.



For product specific approvals and specifications please refer to the Appendix.

PART NUMBER	LV Heatshrink 2:1 Polyolefin Reels	Wall (WT)	Colour	Reel Length
HS3.5YG/R150	HEATSHRINK 3.5MM YELLOW/GREEN REEL OF 150METRES 0.44		Yellow-Green (YEGN)	150m
HS5RD/R150	HEATSHRINK 5MM RED REEL OF 150METRES	0.56	Red (RD)	150m
HS5WH/R150	HEATSHRINK 5MM WHITE REEL OF 150METRES	0.56	White (WH)	150m
HS5BL/R150	HEATSHRINK 5MM BLUE REEL OF 150METRES	0.56	Blue (BU)	150m
HS5BK/R150	HEATSHRINK 5MM BLACK REEL OF 150METRES	0.56	Black (BK)	150m
HS5CL/R150	HEATSHRINK 5MM CLEAR REEL OF 150METRES		Clear (CL)	150m
HS5YG/R150	HEATSHRINK 5MM YELLOW/GREEN REEL OF 150METRES	0.56	Yellow-Green (YEGN)	150m
HS7RD/R150	HEATSHRINK 7MM RED REEL OF 150METRES	0.56	Red (RD)	150m
HS7WH/R150	HEATSHRINK 7MM WHITE REEL OF 150METRES	0.56	White (WH)	150m
HS7BL/R150	HEATSHRINK 7MM BLUE REEL OF 150METRES	0.56	Blue (BU)	150m
HS7BK/R150	HEATSHRINK 7MM BLACK REEL OF 150METRES	0.56	Black (BK)	150m
HS7CL/R150	HEATSHRINK 7MM CLEAR REEL OF 150METRES	0.56	Clear (CL)	150m
HS7YG/R150	HEATSHRINK 7MM YELLOW/GREEN REEL OF 150METRES	0.56	Yellow-Green (YEGN)	150m
HS10RD/R50	HEATSHRINK 10MM RED REEL OF 50METRES	0.56	Red (RD)	50m
HS10WH/R50	HEATSHRINK 10MM WHITE REEL OF 50METRES	0.56	White (WH)	50m
HS10BL/R50	HEATSHRINK 10MM BLUE REEL OF 50METRES	0.56	Blue (BU)	50m
HS10BK/R50	HEATSHRINK 10MM BLACK REEL OF 50METRES	0.56	Black (BK)	50m
HS10CL/R50	HEATSHRINK 10MM CLEAR REEL OF 50METRES	0.56	Clear (CL)	50m
HS10YG/R50	HEATSHRINK 10MM YELLOW/GREEN REEL OF 50METRES	0.56	Yellow-Green (YEGN)	50m
HS13RD/R50	HEATSHRINK 13MM RED REEL OF 50METRES	0.56	Red (RD)	50m
HS13WH/R50	HEATSHRINK 13MM WHITE REEL OF 50METRES	0.56	White (WH)	50m
HS13BL/R50	HEATSHRINK 13MM BLUE REEL OF 50METRES	0.56	Blue (BU)	50m
HS13BK/R50	HEATSHRINK 13MM BLACK REEL OF 50METRES	0.56	Black (BK)	50m
HS13CL/R50	HEATSHRINK 13MM CLEAR REEL OF 50METRES	0.56	Clear (CL)	50m
HS13YG/R50	HEATSHRINK 13MM YELLOW/GREEN REEL OF 50METRES	0.56	Yellow-Green (YEGN)	50m
HS20RD/R50	HEATSHRINK 20MM RED REEL OF 50METRES	0.76	Red (RD)	50m
HS20WH/R50	HEATSHRINK 20MM WHITE REEL OF 50METRES	0.76	White (WH)	50m
HS20BL/R50	HEATSHRINK 20MM BLUE REEL OF 50METRES	0.76	Blue (BU)	50m
HS20BK/R50	HEATSHRINK 20MM BLACK REEL OF 50METRES	0.76	Black (BK)	50m
HS20CL/R50	HEATSHRINK 20MM CLEAR REEL OF 50METRES	0.76	Clear (CL)	50m
HS20YG/R50	HEATSHRINK 20MM YELLOW/GREEN REEL OF 50METRES	0.76	Yellow-Green (YEGN)	50m
HS25RD/R50	HEATSHRINK 25MM RED REEL OF 50METRES	0.86	Red (RD)	50m
HS25WH/R50	HEATSHRINK 25MM WHITE REEL OF 50METRES	0.86	White (WH)	50m
HS25BL/R50	HEATSHRINK 25MM BLUE REEL OF 50METRES	0.86	Blue (BU)	50m
HS25BK/R50	HEATSHRINK 25MM BLACK REEL OF 50METRES	0.86	Black (BK)	50m
HS25CL/R50	HEATSHRINK 25MM CLEAR REEL OF 50METRES	0.86	Clear (CL)	50m
HS25YG/R50	HEATSHRINK 25MM YELLOW/GREEN REEL OF 50METRES	0.86	Yellow-Green (YEGN)	50m
HS40RD/R25	HEATSHRINK 40MM RED REEL OF 25METRES	0.97	Red (RD)	25m
HS40WH/R25	HEATSHRINK 40MM WHITE REEL OF 25METRES	0.97	White (WH)	25m
HS40BL/R25	HEATSHRINK 40MM BLUE REEL OF 25METRES	0.97	Blue (BU)	25m
HS40BK/R25	HEATSHRINK 40MM BLACK REEL OF 25METRES	0.97	Black (BK)	25m
HS40CL/R25	HEATSHRINK 40MM CLEAR REEL OF 50METRES	0.97	Clear (CL)	25m
HS40YG/R25	YG/R25 HEATSHRINK 40MM YELLOW/GREEN REEL OF 25METRES		Yellow-Green (YEGN)	25m
HS50RD/R25	550RD/R25 HEATSHRINK 50MM RED REEL OF 25METRES		Red (RD)	25m
HS50WH/R25	S50WH/R25 HEATSHRINK 50MM WHITE REEL OF 25METRES		White (WH)	25m
HS50BL/R25	50BL/R25 HEATSHRINK 50MM BLUE REEL OF 25METRES		Blue (BU)	25m
HS50BK/R25	HEATSHRINK 50MM BLACK REEL OF 25METRES		Black (BK)	25m
HS50CL/R25	HEATSHRINK 50MM CLEAR REEL OF 25METRES	0.97	Clear (CL)	25m
HS50YG/R25	HEATSHRINK 50MM YELLOW/GREEN REEL OF 25METRES	0.97	Yellow-Green (YEGN)	25m
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All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content.



Heat shrinkable tubing 4:1 - 1.2 m lengths

SA47-HT - standard wall adhesive lined

SA47-HT is a semi-rigid flame retardant polyolefin tubing with a thick inner liner of hot melt adhesive. The tubing has excellent tensile strength and strain relief. The adhesive liner provides excellent moisture protection. Ideal for electrical connections and splices in automobiles. Suitable for high temperature applications up to 150 °C. Tubing is black and hot melt adhesive is black.

Features and benefits

- Flexible, standard wall polyolefin heat shrink tubing
- Excellent tensile strength and strain relief
- Provides excellent moisture protection
- Tubing and hot melt adhesive is black
- Provides an environmental sealing of complex parts
- For high temperature applications up to 150 °C
- · Flame retardant



One Step to the Web!

SA47 has been developed with our **Automotive partners to eliminate** the risk of corrosion around cable splices and terminations.



Heat Shrinkable Tubing 4:1 with adhesive.



Heat shrink tubing SA47-HT for 150 °C application.



SA47-HT provides optimum protection against moisture in high temperature applications.

MATERIAL	Polyolefin, cross-linked (PO-X)	
Shrink Ratio	4:1	
Operating Temperature	-40 °C to +150 °C	
Min. Shrink Temperature	+130 °C	
Melting Point	starting from +120 °C	
Longitudinal change after shrinkage	-10 % max.	
Dielectric Strength	>20 kV/mm	
Flammability	self-extinguishing	



ТҮРЕ	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Tools	Article-No.
SA47-HT 7,6/1,7	7.6	1.7	1.52	1.2 m	Black (BK)	30-32	301-10010
SA47-HT 9,0/2,3	9.0	2.3	1.52	1.2 m	Black (BK)	30-32	301-10011
SA47-HT 11,6/2,5	11.6	2.5	2.29	1.2 m	Black (BK)	30-32	301-10012
SA47-HT 17,8/4,4	17.8	4.4	2.54	1.2 m	Black (BK)	30-32	301-10013
SA47-HT 24/6	24.0	6.0	2.54	1.2 m	Black (BK)	30-32	301-10015
SA47-HT 32/8	32.0	8.0	2.54	1.2 m	Black (BK)	30-32	301-10014

All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content.



End Caps

Helashrink HSEC, low voltage with adhesive coating

End caps are suitable for use on both polymeric and paper insulated, lead jacketed cables which may include aluminium or steel armouring.

Features and benefits

- Seal cables during storage or transportation
- Insulating cap for live LV cables (0.6/1kV)
- Adhesive lining for excellent environmental seal
- High shrink ratio to minimise number of sizes needed



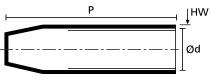
The appropriate end cap for every cable diameter, and cable types.

MATERIAL	Polyolefin, cross-linked (PO-X)
Colour	Black (BK)
Shrink Ratio	up to 3:1
Min. Shrink Temperature	+135 °C
Operating Temperature	-55 °C to +80 °C
Dielectric Strength	15 kV/mm
Flammability	ASTM D638









a: Expanded form (supplied)	b: Fully recovered form (after heating)
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	ØD min.	Ød max.	P±	HW ±
PART NUMBER	a	b	10 %	10 %
HSEC105	12.0	4.0	40.0	2.6
HSEC115	20.0	6.0	55.0	2.8
HSEC120	25.0	8.5	68.0	2.8
HSEC135	40.0	16.0	83.0	3.3
HSEC140	55.0	26.0	103.0	3.5
HSEC150	75.0	36.0	120.0	4.0
HSEC160	100.0	52.0	140.0	4.0
HSEC170	120.0	60.0	150.0	4.0
HSEC180	145.0	60.0	150.0	4.0
HSEC190	160.0	80.0	150.0	4.0

All dimensions in mm. Subject to technical changes.



HellermannTyton

