



Heat shrink tubing solutions for automotive applications

Brochure

MADE FOR REAL[®]

Heat shrink tubing solutions for automotive applications

The drive behind your reliability

HellermannTyton is a leading manufacturer and supplier of products for fastening, fixing, installing, connecting, insulating, protecting and identifying electrical cables and data network infrastructure. Our mission is to provide you with innovative cable management solutions – wherever you need them around the globe.

HellermannTyton heat shrink tubing offer high-quality, reliable insulation for electrical connections and terminals, which meet the high requirements within the automotive sector. You can count on excellent sealing against moisture as well as resistance to typical automotive fluids such as fuel, oil and cleanser.

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 %)



Total shrinkage of 4 mm (6 mm – 2 mm)

Optimum shrinkage max. (80 %)



Shrinkage of 3.2 mm (4 mm x 0.8)

Optimum shrinkage min. (20 %)



Shrinkage of 0.8 mm (4 mm x 0.2)

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.

Size 12/4

Maximum shrink (100 %)



Shrinkage of 8 mm (12 mm – 4 mm)

Optimum shrinkage max. (80 %)



Shrinkage of 6.4 mm (8 mm x 0.8)

Optimum shrinkage min. (20 %)



Shrinkage of 1.6 mm (8 mm x 0.2)

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

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

www.HellermannTyton.com/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 www.HellermannTyton.com website.

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



2:1 Heat shrink tubing on reel

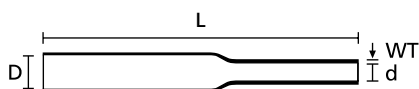
TCN20 - thin wall, self-extinguishing

TCN20 offers top-tier insulation for crimp/solder joints and various cable lug-wire combinations, emphasizing durability and resilience. It provides reliable insulation that stands up to rigorous use, maintaining dependable electrical safety while preserving aesthetic integrity.

Features and benefits

- Thin-walled (time, cost and weight saving; flexible)
- 2:1 shrink ratio (thinner wall thickness, economic)
- Continuous operating temperature up to +125°C
- Peak temperature up to 250°C/4h (heat shock test)
- Self-extinguishing (UL224 VW-1)
- Sturdy

More colours, sizes and custom cut lengths on request.



Heat Shrink Tubing 2:1



TCN20 - reliable insulation that stands up to rigorous use.

MATERIAL	Polyolefin, cross-linked (PO-X)
Shrink Ratio	2:1
Operating Temperature	-55 °C to +125 °C
Min. Shrink Temperature	+100 °C
Longitudinal Change After Shrinkage	+/-5%
Dielectric Strength	20 kV/mm
Flammability	UL 224 VW-1
Self extinguishing	Yes

RoHS ✓

TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Tools	Article-No.
TCN20-1.2/0.6	1.2	0.6	0.32	300.0 m	Black (BK)	30	300-73010
	1.2	0.6	0.32	300.0 m	Red (RD)	30	300-73012
TCN20-1.6/0.8	1.6	0.8	0.32	300.0 m	Black (BK)	30	300-73020
	1.6	0.8	0.32	300.0 m	Red (RD)	30	300-73022
TCN20-2.4/1.2	2.4	1.2	0.42	300.0 m	Black (BK)	30	300-73030
	2.4	1.2	0.42	300.0 m	Red (RD)	30	300-73032
TCN20-3.2/1.6	3.2	1.6	0.45	300.0 m	Black (BK)	30	300-73040
	3.2	1.6	0.45	300.0 m	Red (RD)	30	300-73042
TCN20-4.8/2.4	4.8	2.4	0.52	300.0 m	Black (BK)	30	300-73050
	4.8	2.4	0.52	300.0 m	Red (RD)	30	300-73052
TCN20-6.4/3.2	6.4	3.2	0.54	300.0 m	Black (BK)	30	300-73060
	6.4	3.2	0.54	300.0 m	Red (RD)	30	300-73062
TCN20-9.5/4.8	9.5	4.8	0.54	100.0 m	Black (BK)	30	300-73070
	9.5	4.8	0.54	100.0 m	Red (RD)	30	300-73072
TCN20-12.7/6.4	12.7	6.4	0.62	100.0 m	Black (BK)	30	300-73080
	12.7	6.4	0.62	100.0 m	Red (RD)	30	300-73082
TCN20-19.1/9.5	19.1	9.5	0.75	60.0 m	Black (BK)	30	300-73090
	19.1	9.5	0.75	60.0 m	Red (RD)	30	300-73092
TCN20-25.4/12.7	25.4	12.7	0.85	60.0 m	Black (BK)	30	300-73100

Recommended Tools: 30=H6100. For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.
All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content.



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3:1 Heat shrink tubing on reel

TCN20 Overexpanded - thin wall, self-extinguishing

Maximize efficiency with the TCN20 Overexpanded, offering all the properties of TCN20 but with an enhanced shrink ratio for easier handling and reduced inventory needs. Making it the optimal choice for applications requiring sturdy insulation solutions.

Features and benefits

- Thin-walled (time, cost and weight saving; flexible)
- 3:1 shrink ratio (wider range of applications, higher contact pressure)
- Continuous operating temperature up to +125°C
- Peak temperature up to 250°C/4h (heat shock test)
- Self-extinguishing (UL224 VW-1)
- Sturdy

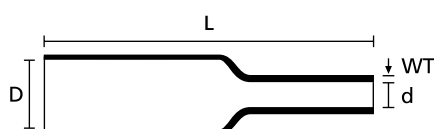
More colours, sizes and custom cut lengths on request.



TCN20 Overexpanded - reliable insulation with an enhanced shrink ratio.

MATERIAL	Polyolefin, cross-linked (PO-X)
Shrink Ratio	3:1
Operating Temperature	-55 °C to +125 °C
Min. Shrink Temperature	+100 °C
Longitudinal Change After Shrinkage	+/-5%
Dielectric Strength	20 kV/mm
Flammability	UL 224 VW-1
Self extinguishing	Yes

RoHS ✓



Heat Shrink Tubing 3:1



TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Tools	Article-No.
TCN20-2.4/0.8	2.4	0.8	0.40	300.0 m	Black (BK)	30	300-73130
TCN20-3.2/1.2	3.2	1.2	0.50	300.0 m	Black (BK)	30	300-73140
TCN20-4.8/1.6	4.8	1.6	0.50	300.0 m	Black (BK)	30	300-73150
TCN20-6.6/2.4	6.6	2.4	0.50	300.0 m	Black (BK)	30	300-73160
TCN20-9.5/3.2	9.5	3.2	0.60	100.0 m	Black (BK)	30	300-73170
TCN20-12.7/4.8	12.7	4.8	0.70	100.0 m	Black (BK)	30	300-73180
TCN20-19.0/6.4	19.0	6.4	0.70	60.0 m	Black (BK)	30	300-73190
TCN20-25.4/9.5	25.4	9.5	0.80	60.0 m	Black (BK)	30	300-73200
TCN20-38.0/12.7	38.0	12.7	0.90	30.0 m	Black (BK)	30	300-73210

Recommended Tools: 30=H6100. For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.

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2:1 Heat shrink tubing on reel

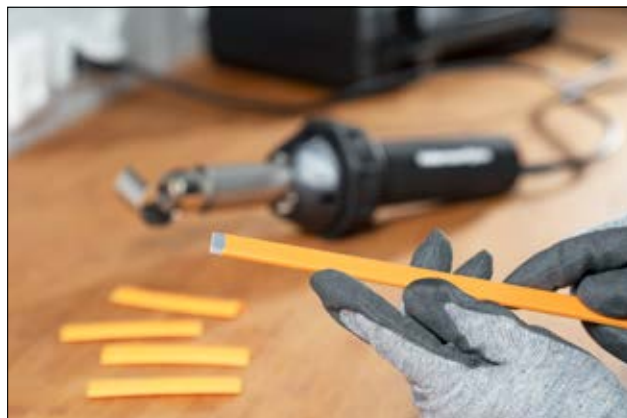
TF21 - thin wall, fast shrinking, self-extinguishing

Upgrade to TF21 for applications demanding operation up to +135°C and the fastest processing time in our range. With its extensive color variety, it's the ideal solution for complex wiring systems requiring color coding and reliable insulation at temperatures up to 135°C.

Features and benefits

- Thin-walled (time, cost and weight saving; flexible)
- 2:1 shrink ratio (thinner wall thickness, economic)
- Continuous operating temperature up to +135°C
- Peak temperature up to 250°C/4h (heat shock test)
- Self-extinguishing (UL224 VW-1)
- Fast shrinking due to low minimum shrink temperature

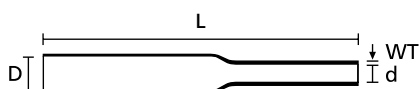
More colours, sizes and custom cut lengths on request.



TF21 – available in a wide range of colours and sizes.

MATERIAL	Polyolefin, cross-linked (PO-X)
Shrink Ratio	2:1
Operating Temperature	-55 °C to +135 °C
Min. Shrink Temperature	+70 °C
Longitudinal Change After Shrinkage	+/-5%
Dielectric Strength	20 kV/mm
Flammability	UL 224 VW-1

RoHS ✓



Heat Shrink Tubing 2:1



TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Article-No.
TF21-1.2/0.6	1.2	0.6	0.40	30.0 m	Orange (OG)	905-38085
	1.2	0.6	0.40	300.0 m	Black (BK)	905-38083
	1.2	0.6	0.40	300.0 m	Red (RD)	905-38084
TF21-1.6/0.8	1.6	0.8	0.40	30.0 m	Orange (OG)	905-38058
	1.6	0.8	0.40	300.0 m	Black (BK)	905-38056
	1.6	0.8	0.40	300.0 m	Red (RD)	905-38057
TF21-2.4/1.2	2.4	1.2	0.40	300.0 m	Black (BK)	905-38059
	2.4	1.2	0.48	30.0 m	Orange (OG)	905-38061
	2.4	1.2	0.48	300.0 m	Red (RD)	905-38060
TF21-3.2/1.6	3.2	1.6	0.40	300.0 m	Black (BK)	905-38062
	3.2	1.6	0.48	30.0 m	Orange (OG)	905-38064
	3.2	1.6	0.48	300.0 m	Red (RD)	905-38063
TF21-4.8/2.4	4.8	2.4	0.40	300.0 m	Black (BK)	905-38065
	4.8	2.4	0.48	30.0 m	Orange (OG)	905-38067
	4.8	2.4	0.48	300.0 m	Red (RD)	905-38066

Recommended Tools: 30=H6100. For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.

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2:1 Heat shrink tubing on reel

TF21 - thin wall, fast shrinking, self-extinguishing

TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Article-No.
TF21-6.4/3.2	6.4	3.2	0.50	300.0 m	Black (BK)	905-38068
	6.4	3.2	0.56	30.0 m	Orange (OG)	905-38070
	6.4	3.2	0.56	300.0 m	Red (RD)	905-38069
TF21-9.5/4.8	9.5	4.8	0.60	150.0 m	Black (BK)	905-38071
	9.5	4.8	0.62	30.0 m	Orange (OG)	905-38073
	9.5	4.8	0.62	150.0 m	Red (RD)	905-38072
TF21-12.7/6.4	12.7	6.4	0.60	100.0 m	Black (BK)	905-38074
	12.7	6.4	0.62	30.0 m	Orange (OG)	905-38076
	12.7	6.4	0.62	100.0 m	Red (RD)	905-38075
TF21-19.1/9.5	19.1	9.5	0.60	60.0 m	Black (BK)	905-38077
	19.1	9.5	0.68	30.0 m	Orange (OG)	905-38079
	19.1	9.5	0.68	60.0 m	Red (RD)	905-38078
TF21-25.4/12.7	25.4	12.7	0.80	60.0 m	Black (BK)	905-38080
	25.4	12.7	0.87	30.0 m	Orange (OG)	905-38082
	25.4	12.7	0.87	60.0 m	Red (RD)	905-38081
TF21-38.1/19.1	38.1	19.1	1.00	30.0 m	Black (BK)	905-38086
	38.1	19.1	1.00	30.0 m	Orange (OG)	905-38088
	38.1	19.1	1.00	30.0 m	Red (RD)	905-38087
TF21-50.8/25.4	50.8	25.4	1.10	30.0 m	Black (BK)	905-38089
	50.8	25.4	1.10	30.0 m	Orange (OG)	905-38091
	50.8	25.4	1.10	30.0 m	Red (RD)	905-38090

Recommended Tools: 30=H6100. For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.

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3:1 Heat shrink tubing on reel

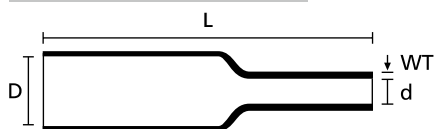
TF31 - thin wall, fast shrinking, self-extinguishing

Expanding on TF21's capabilities, TF31 offers an enhanced shrink ratio while retaining the same properties as TF21. This enhancement further improves its shrink performance and additionally reduces processing time. Ideal for a wide array of automotive insulation applications, especially in high-volume production environments.

Features and benefits

- Thin-walled (time, cost and weight saving; flexible)
- 3:1 shrink ratio (wider range of applications, higher contact pressure)
- Continuous operating temperature up to +135°C
- Peak temperature up to 250°C/4h (heat shock test)
- Self-extinguishing (UL224 VW-1)
- Fast shrinking due to low minimum shrink temperature and higher shrink ratio

More colours, sizes
and custom cut
lengths on request.



Heat Shrink Tubing 3:1



TF31 - 3:1 shrink ratio allowing for a wider range of application.

MATERIAL	Polyolefin, cross-linked (PO-X)
Shrink Ratio	3:1
Operating Temperature	-50 °C to +135 °C
Min. Shrink Temperature	+70 °C
Longitudinal Change After Shrinkage	+/-5%
Dielectric Strength	20 kV/mm
Flammability	UL 224 VW-1



TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Article-No.
TF31-1.5/0.5	1.5	0.5	0.40	30.0 m	Black (BK)	905-38121
	1.5	0.5	0.45	30.0 m	Red (RD)	905-38122
TF31-3.0/1.0	3.0	1.0	0.50	30.0 m	Black (BK)	905-38116
	3.0	1.0	0.55	30.0 m	Red (RD)	905-38117
TF31-4.5/1.5	4.5	1.5	0.60	30.0 m	Black (BK)	905-38108
	4.5	1.5	0.60	30.0 m	Red (RD)	905-38109
TF31-6.0/2.0	6.0	2.0	0.60	300.0 m	Black (BK)	905-38114
	6.0	2.0	0.65	30.0 m	Red (RD)	905-38115
TF31-9.0/3.0	9.0	3.0	0.70	30.0 m	Black (BK)	905-38110
	9.0	3.0	0.75	30.0 m	Red (RD)	905-38111
TF31-12.0/4.0	12.0	4.0	0.80	30.0 m	Black (BK)	905-38106
	12.0	4.0	0.80	30.0 m	Red (RD)	905-38107
TF31-18.0/6.0	18.0	6.0	0.90	30.0 m	Red (RD)	905-38113
	18.0	6.0	0.90	60.0 m	Black (BK)	905-38112
TF31-24.0/8.0	24.0	8.0	1.20	30.0 m	Black (BK)	905-38118
	24.0	8.0	1.20	30.0 m	Red (RD)	905-38119

Recommended Tools: 30=H6100. For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.

All dimensions in mm. Subject to technical changes.



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Discover the diversity of our heat shrink tubing for your individual automotive needs!

HellermannTyton uses high quality materials to ensure long lasting performance under extreme conditions. Our products provide reliable insulation and protection for your cables and wires, perfectly suited to your specific application requirements.

MADE FOR REAL 





3:1 & 4:1 Heat shrink tubing on reel

EPS300 3:1 shrink ratio - thin wall, adhesive, self-extinguishing

Seal against the elements with EPS300 and EPS400. These tubing are tailored for different sealing needs, with EPS400 offering a larger shrink ratio for more versatility. Perfect for automotive applications needing dependable moisture and environmental protection.

Features and benefits

- Thin-walled (time, cost and weight saving)
- 3:1 shrink ratio (EPS300, thinner wall thickness, economic)
- 4:1 shrink ratio (EPS400, for challenging geometries, higher surface pressure)
- With thermoplastic (hot-melt) adhesive
- Continuous operating temperature up to +125°C
- Peak temperature up to 250°C/4h (heat shock test)
- Self-extinguishing

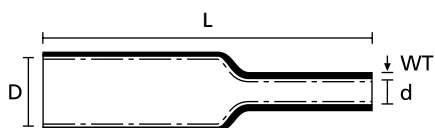
More colours, sizes and custom cut lengths on request.



EPS300 and EPS400 are ideal for sealing cable lugs and other connections.

MATERIAL	Polyolefin, cross-linked (PO-X)
Shrink Ratio	3:1
Operating Temperature	-55 °C to +125 °C
Min. Shrink Temperature	+100 °C
Longitudinal Change After Shrinkage	-5% max.
Softening Point Adhesive	+100 °C
Dielectric Strength	24 kV/mm
Self extinguishing	Yes

RoHS ✓



Heat Shrink Tubing 3:1 with adhesive

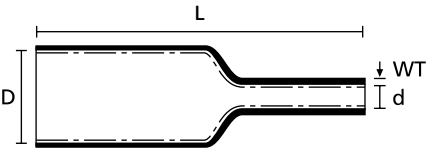


TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Article-No.
EPS300-3.0/1.0	3.0	1.0	1.00	300.0 m	Black (BK)	905-38018
EPS300-4.8/1.5	4.8	1.5	1.00	300.0 m	Black (BK)	905-38019
EPS300-6.0/2.0	6.0	2.0	1.00	100.0 m	Black (BK)	905-38020
EPS300-9.0/3.0	9.0	3.0	1.30	100.0 m	Black (BK)	905-38021
EPS300-12.0/4.0	12.0	4.0	1.60	50.0 m	Black (BK)	905-38022
EPS300-19.0/6.0	19.0	6.0	2.10	50.0 m	Black (BK)	905-38016
EPS300-24.0/8.0	24.0	8.0	2.30	30.0 m	Black (BK)	905-38023
EPS300-40.0/13.0	40.0	13.0	2.40	30.0 m	Black (BK)	905-38024

All dimensions in mm. Subject to technical changes.



EPS400 4:1 shrink ratio - thin wall, adhesive, self-extinguishing



Heat Shrink Tubing 4:1 with adhesive

TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Article-No.
EPS400-4.1/1.0	4.0	1.0	1.00	200.0 m	Black (BK)	905-38025
EPS400-8.0/2.0	8.0	2.0	1.30	50.0 m	Black (BK)	905-38026
EPS400-12.0/3.0	12.0	3.0	1.60	25.0 m	Black (BK)	905-38027
EPS400-16.0/4.0	16.0	4.0	2.10	25.0 m	Black (BK)	905-38028
EPS400-24.0/6.0	24.0	6.0	2.30	50.0 m	Black (BK)	905-38015
EPS400-32.0/8.0	32.0	8.0	2.30	25.0 m	Black (BK)	905-38017

All dimensions in mm. Subject to technical changes.



4:1 Heat shrink tubing in straight 1.2m lengths

SA47-LA - thin wall, high-performance adhesive, halogen-free

For the most critical sealing challenges, SA47-LA offers unmatched hot melt adhesive strength, ensuring seals that exceed automotive industry standards and prevent electrochemical corrosion reliably. The transparent tubing in combination with the black adhesive allows for post-application inspection, offering peace of mind in crucial sealing applications.

Features and benefits

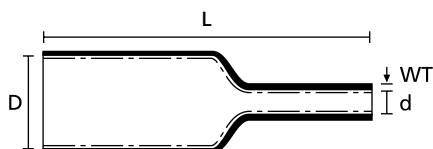
- Thin-walled (time, cost and weight saving)
- 4:1 shrink ratio (for challenging geometries, higher surface pressure)
- With powerful thermoplastic (hot-melt) adhesive
- Continuous operating temperature up to +125°C
- Peak temperature up to 225°C/4h (heat shock test)
- Transparent tubing with black adhesive for post-application inspection
- Halogen-free

More colours, sizes and custom cut lengths on request.



SA47-LA - strongest thermoplastic adhesive.

MATERIAL	Polyolefin, cross-linked (PO-X)
Shrink Ratio	4:1
Operating Temperature	-40 °C to +125 °C
Min. Shrink Temperature	+130 °C
Melting Point	starting from +110 °C
Longitudinal Change After Shrinkage	-10% max.
Dielectric Strength	20 kV/mm



Heat Shrink Tubing 4:1 with adhesive



TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Tools	Article-No.
SA47-LA-5.75/1.25	5.75	1.25	1.10	1.2 m	Transparent (CL), Black (BK)	30	301-10020
SA47-LA-7.5/1.65	7.5	1.65	1.40	1.2 m	Transparent (CL), Black (BK)	30	301-10021
SA47-LA-11.0/2.4	11.0	2.4	1.80	1.2 m	Transparent (CL), Black (BK)	30	301-10022
SA47-LA-18.3/4.35	18.3	4.35	2.20	1.2 m	Transparent (CL), Black (BK)	30	301-10023
SA47-LA-24.0/6.0	24.0	6.0	2.50	1.2 m	Transparent (CL), Black (BK)	30	301-10024
SA47-LA-32.0/8.0	32.0	8.0	2.50	1.2 m	Transparent (CL), Black (BK)	30	301-10025
SA47-LA-52.0/13.0	52.0	13.0	3.00	1.2 m	Transparent (CL), Black (BK)	30	301-10026

Recommended Tools: 30=H6100. For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.

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



4:1 Heat shrink tubing in straight 1.2m lengths

TX46 - high-temp adhesive, self-extinguishing

TX46 is the hottest choice in sealing applications with an adhesive that withstands temperatures up to 150°C. Its aesthetic finish and resistance to automotive fluids make it the preferred choice for environments where high temperature sealing is critical, such as engine compartments.

Features and benefits

- Thin-walled (time, cost and weight saving)
- 4:1 shrink ratio (for challenging geometries, higher surface pressure)
- With high temperature thermoplastic (hot-melt) adhesive
- Continuous operating temperature up to +150°C
- Peak temperature up to 250°C/4h (heat shock test)
- Self-extinguishing

More colours, sizes and custom cut lengths on request.



TX46 - high temperature adhesive and self-extinguishing.

MATERIAL	Polyolefin, cross-linked (PO-X)
Shrink Ratio	4:1
Operating Temperature	-40 °C to +150 °C
Min. Shrink Temperature	+135 °C
Longitudinal Change After Shrinkage	-10% max.
Dielectric Strength	22 kV/mm
Self extinguishing	Yes

RoHS



Heat Shrink Tubing 4:1 with adhesive

TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Tools	Article-No.
TX46-7.6/1.7	7.6	1.7	0.40	1.2 m	Black (BK)	30	317-00070
TX46-9.0/2.3	9.0	2.3	0.40	1.2 m	Black (BK)	30	317-00071
TX46-11.6/2.5	11.6	2.5	0.50	1.2 m	Black (BK)	30	317-00072
TX46-17.8/4.4	17.8	4.4	0.70	1.2 m	Black (BK)	30	317-00073
TX46-24.0/6.0	24.0	6.0	1.40	1.2 m	Black (BK)	30	317-00074
TX46-32.0/8.0	32.0	8.0	1.60	1.2 m	Black (BK)	30	317-00075

Recommended Tools: 30=H6100. For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.
All dimensions in mm. Subject to technical changes.



2:1 Heat shrink tubing on reel

SE28 - medium wall, highly elastic, Diesel and oil resistant

SE28 combines high elasticity with chemical resistance, offering reliable insulation in demanding environments. Its flexibility and durability ensure continuous protection, making it an ideal choice for automotive applications facing harsh conditions.

Features and benefits

- Medium-walled (higher mechanical and chemical protection)
- 2:1 shrink ratio (maximum due to material limitations)
- Continuous operating temperature up to +150°C
- Peak temperature up to 200°C/4h (heat shock test)
- Self-extinguishing
- Highly flexible
- Diesel and oil resistant

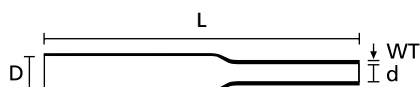
More colours, sizes
and custom cut
lengths on request.



SE28 - High flexibility and diesel/oil resistance at temperatures up to +150°C.

MATERIAL	Elastomer, cross-linked (POA)
Shrink Ratio	2:1
Operating Temperature	-65 °C to +150 °C
Dielectric Strength	20 kV/mm
Flammability	self-extinguishing in 15 seconds
Self extinguishing	Yes

RoHS



Heat Shrink Tubing 2:1

TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Article-No.
SE28-3.2/1.6	3.2	1.6	0.70	200.0 m	Black (BK)	905-38047
SE28-4.8/2.4	4.8	2.4	0.80	100.0 m	Black (BK)	905-38048
SE28-6.4/3.2	6.4	3.2	0.80	100.0 m	Black (BK)	905-38049
SE28-9.5/4.8	9.5	4.8	0.90	50.0 m	Black (BK)	905-38050
SE28-12.7/6.4	12.7	6.4	1.10	50.0 m	Black (BK)	905-38051
SE28-25.4/12.7	25.4	12.7	1.70	30.0 m	Black (BK)	905-38052
SE28-38.1/19.1	38.1	19.1	2.20	15.0 m	Black (BK)	905-38053
SE28-50.8/25.4	50.8	25.4	2.40	15.0 m	Black (BK)	905-38054

All dimensions in mm. Subject to technical changes.



2:1 Heat shrink tubing on reel

VITON - medium wall, highly resistant to temperature and chemicals

VITON represents the pinnacle of high-temperature, chemical resistance and robustness. Its exceptional durability makes it suitable for the most challenging insulation applications, where performance and longevity are paramount.

Features and benefits

- Medium-walled (higher mechanical and chemical protection)
- 2:1 shrink ratio (maximum due to material limitations)
- Continuous operating temperature up to +200°C
- Peak temperature up to 300°C/4h (heat shock test)
- Self-extinguishing
- Excellent temperature and chemical resistance

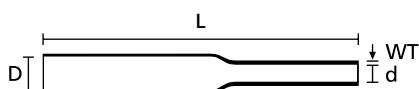
More colours, sizes and custom cut lengths on request.



VITON - superior resistance to chemicals and heat, effective up to +200°C.

MATERIAL	Fluoroelastomer, cross-linked (FPMX)
Shrink Ratio	2:1
Operating Temperature	-55 °C to +200 °C
Dielectric Strength	7.9 kV/mm
Shelf Life	5 years
Flammability	self-extinguishing in 15 seconds
Self extinguishing	Yes

RoHS ✓



Heat Shrink Tubing 2:1



TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Length (L)	Colour	Article-No.
VITON-E-3.2./1.6	3.2	1.6	0.70	50.0 m	Black (BK)	905-38123
VITON-E-4.8/2.4	4.8	2.4	0.80	50.0 m	Black (BK)	905-38124
VITON-E-6.4/3.2	6.4	3.2	0.90	50.0 m	Black (BK)	905-38125
VITON-E-9.5/4.8	9.5	4.8	1.00	50.0 m	Black (BK)	905-38126
VITON-E-12.7/6.4	12.7	6.4	1.20	30.0 m	Black (BK)	905-38127
VITON-E-19.0/9.5	19.1	9.5	1.30	30.0 m	Black (BK)	905-33393
VITON-E-25.4/12.7	25.4	12.7	1.80	30.0 m	Black (BK)	905-38128

All dimensions in mm. Subject to technical changes.

