



Wire and Cable

Heat-shrink Tubing

Non-shrink Tubing

Braided Sleeving

Screening Braids

Moulded Parts

Terminals and Splices

Wire and Cable Markers

Accessories

Connectors

Backshells

Bonding Leads

Metal Braids

Relays and Contactors

Switches and Grips

Adhesives and Tapes

Application Equipment

Added Value Services

INTRODUCTION

Non Shrink

1 Range of Non-Shrink Tubing and Conduit

2 Suitable for applications where use of heat guns is not possible or not required

3 Typical Features & Benefits

- 4 • Mechanical protection
- 5 • Chemical/fluid resistance
- 6 • Electrical insulation
- 7 • Moisture protection
- 8 • Strain relief, Flexibility
- 9 • Flame-retardant, Low smoke
- 10 • Aesthetic enhancement
- 11 • Fast and efficient installation.



12 Cut Piece Service

13 Many of our tubing products can be supplied pre-cut to length. Please contact our sales office for details.



Cold Applied Sleeving

CR	Neoprene sleeves, pre-cut lengths	page 124
CY	Coloured LFH polyolefin sleeve	page 125
HCTE	Helical ETFE conduit, flame retardant	page 126
SR	Silicone tubing, cold applied	page 127
STW	PTFE thin wall sleeving	page 128
TW	PTFE standard wall sleeving	page 129
UL-Y	UL approved PVC coloured sleeving	page 130
Y	PVC Sleeving, various colours	page 131

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Non-Shrink Tubing

CR

Neoprene Sleeve

Non-shrink, insulating sleeves



- 1 CR sleeves are made from highly elastic extruded Neoprene, pre-lubricated as standard. They are particularly useful for binding ends of braided mains leads into plugs and portable equipment.
- 2
- 3 Can be stretched 5x in fitting and 2x in use.

Features & Benefits

Available in a wide range of colours, see chart.

Operating Temperature

- From -65°C to +95°C

Installation

Recommended that best applied using expanding tool, please contact us for details.



Specifications

- BS3858/1 except for light fastness.
- BS3G198 part 1, type 1
- Def Stan 59-15, type D2c

Dimensions			Pack Size	Part Number
As Supplied (mm)	Max Cable (mm)	Length (mm)	Qty	
1.2	2.4	20	1000	CR12x20-Colour
1.5	3.0	20	1000	CR15x20-Colour
2.0	4.0	20	1000	CR20x20-Colour
3.0	6.0	25	1000	CR30x25-Colour
5.0	10.0	25	100	CR50x25-Colour
7.5	15.0	25	100	CR75x25-Colour
10.0	19.8	25	100	CR100x25-Colour
15.0	30.0	25	100	CR150x25-Colour
20.0	40.0	25	100	CR200x25-Colour

Colours Available





This limited fire hazard sleeving is halogen free, making it ideal for protecting wire and cables in areas where smoke and fume emissions must be minimised. Supplied on 100m continuous reels. Low smoke, low toxicity and zero halogen.

Can be stretched 5x in fitting and 2x in use.

Features & Benefits

Available in various colours, see chart

Operating Temperature

- From -25°C to +90°C

Specifications

- Vertical burn test pass: UL 1581
- Smoke density pass: ASTM E-662
- Oxygen index: 37% ISO 4589-2

Ideal for protecting wire and cable in areas where smoke and fume emissions must be minimised.

Internal Diameter	Wire Size	Spool Size	Part Number
As Supplied (mm)	mm ²	m	
1.5	-	100	CY1.5-ZH-Colour
2.0	-	100	CY2.0-ZH-Colour
3.0	0.5 - 0.75	100	CY3.0-ZH-Colour
4.0	1.5 - 2.5	100	CY4.0-ZH-Colour
5.0	2.5 - 4.0	100	CY5.0-ZH-Colour
6.0	6.0	100	CY6.0-ZH-Colour
8.0	10.0	100	CY8.0-ZH-Colour
10.0	16.0	100	CY10.0-ZH-Colour
12.0	35.0	100	CY12.0-ZH-Colour
15.0	50.0	100	CY15.0-ZH-Colour

Colours Available



Black Blue Brown Grey Red White

Non-Shrink Tubing

HCTE

Cross-linked ETFE (Helical Conduit)
Flexible, Flame Retardant, Fluid Resistant



1 HCTE conduit can be used as an electrical harness component alone or in conjunction with adaptors and heat shrinkable moulded parts, for a totally integrated harness system.

Features & Benefits

- Excellent crush resistance
- Highly flame retardant
- Superior flexibility and fluid resistance

Operating Temperature

- From -55°C to +200°C and up to 300°C for limited periods

Installation

Recommended that no more than 70% of the internal area be occupied by wires in any application.

Specifications & Approvals

- VG 96936 Part 6

Int. Diameter	Ext. Diameter	Weight	Pack Size	Part Number
Minimum (mm)	Maximum (mm)	g/m	Spools	
4.60	8.10	18	60m	HCTE-0187-0-SP
6.90	10.50	22	60m	HCTE-0281-0-SP
7.70	11.80	26	60m	HCTE-0312-0-SP
9.20	12.90	30	60m	HCTE-0375-0-SP
10.80	14.50	37	60m	HCTE-0437-0-SP
12.30	16.50	52	30m	HCTE-0500-0-SP
15.40	19.50	64	30m	HCTE-0625-0-SP
17.90	23.60	74	30m	HCTE-0750-0-SP
21.80	27.20	96	30m	HCTE-0875-0-SP
24.70	31.10	112	30m	HCTE-1000-0-SP
30.70	35.30	130	30m	HCTE-1250-0-SP
36.50	46.50	169	30m	HCTE-1500-0-SP
39.60	50.17	177	15m	HCTE-1625-0-SP
42.67	52.88	191	15m	HCTE-1750-0-SP
49.20	59.23	220	15m	HCTE-2000-0-SP

Colours Available

0 / Black



COLD
Applied

RoHS
compliant

Silicone rubber has a good resistance to low and high temperatures and has good compatibility with numerous chemicals and excellent ageing characteristics. Extremely useful for cable harnessing because of its high elasticity and flexibility.

Features & Benefits

- Excellent fluid and temperature resistance
- Flexibility at low temperatures
- Wide range of sizes available

Operating Temperature

- From -60°C to +180°C
- Intermittent temperature 250°C

Installation

- Push on application, no heat required

Specifications & Approvals

- BS2848 Type 5 Class 180TB

Inside Diameter	Wall Thickness	Pack Size	Part Number
Nom. Supplied (mm)	Nom. Standard (mm)	Spools (SP)	
0.50	0.5	50m	SR-0.5/0.5-Colour
0.75	0.5	50m	SR-0.75/0.5-Colour
1.00	0.5	50m	SR-1.0/0.5-Colour
1.50	0.5	50m	SR-1.5/0.5-Colour
2.00	0.5	50m	SR-2.0/0.5-Colour
2.50	0.5	50m	SR-2.5/0.5-Colour
3.00	0.5	50m	SR-3.0/0.5-Colour
4.00	0.5	25m	SR-4.0/0.5-Colour
5.00	0.5	25m	SR-5.0/0.5-Colour
6.00	0.5	25m	SR-6.0/0.5-Colour
8.00	0.5	25m	SR-8.0/0.5-Colour
10.00	0.5	25m	SR-10.0/0.5-Colour

Colours Available



Black Blue Yellow Green Red White

Non-Shrink Tubing

STW

PTFE Sleevling

Thin wall, push-on tubing



- 1 Provides superior temperature and chemical resistance along with excellent mechanical and electrical properties. The thin wall
- 2 allows protection of wire, splices, electrical connectors and components used in confined spaces and in close proximity to other
- 3 components.

Features & Benefits

- Wide temperature performance
- Excellent chemical resistance
- Wide range of colours and sizes available

Operating Temperature

- From -70°C to +260°C

Installation

- Push on application, no heat required

Specifications & Approvals

- BS2848 Type 6 Class 250T
- Colours conform to BS 6746C

Inside Diameter	Wall Thickness	Order Qty	Pack Size		Part Number
			Nom. Supplied (mm)	Nom. Standard (mm)	
0.71	0.15	1000m	500m	500m	STW-22-Colour
0.89	0.18	500m	500m	500m	STW-20-Colour
1.02	0.18	500m	500m	500m	STW-19-Colour
1.14	0.20	500m	500m	500m	STW-18-Colour
1.27	0.20	500m	500m	500m	STW-17-Colour
1.42	0.20	500m	500m	500m	STW-16-Colour
1.57	0.20	500m	500m	500m	STW-15-Colour
1.73	0.20	500m	500m	500m	STW-14-Colour
1.93	0.20	500m	250m	250m	STW-13-Colour
2.16	0.20	500m	250m	250m	STW-12-Colour
2.44	0.20	500m	250m	250m	STW-11-Colour
2.72	0.20	500m	250m	250m	STW-10-Colour
3.02	0.20	300m	150m	150m	STW-9-Colour
3.43	0.20	200m	100m	100m	STW-8-Colour
3.84	0.20	200m	100m	100m	STW-7-Colour
4.29	0.20	200m	50m	50m	STW-6-Colour
4.83	0.25	150m	50m	50m	STW-5-Colour

Colours Available





COLD
Applied

RoHS
compliant

Thicker wall version PTFE tube allows enhanced protection of wire, cable, electrical and electronic components, for commercial and high performance Military and Aerospace systems. As well as having superior temperature and chemical resistance, provides excellent mechanical and electrical properties.

Features & Benefits

- Superior temperature performance
- Excellent chemical resistance
- Wide range of colours and sizes available

Operating Temperature

- From -70°C to +260°C

Installation

- Push on application, no heat required

Specifications & Approvals

- BS2848 Type 6 Class 250T
- Colours conform to BS 6746C

Inside Diameter	Wall Thickness	Order Qty	Pack Size	Part Number
Nom. Supplied (mm)	Nom. Standard (mm)	Minimum	Spools	
0.71	0.25	500m	500m	TW-22-Colour
0.89	0.30	500m	500m	TW-20-Colour
1.02	0.30	500m	500m	TW-19-Colour
1.14	0.30	500m	500m	TW-18-Colour
1.27	0.30	500m	500m	TW-17-Colour
1.42	0.30	500m	500m	TW-16-Colour
1.57	0.30	500m	500m	TW-15-Colour
1.73	0.30	500m	500m	TW-14-Colour
1.93	0.30	250m	250m	TW-13-Colour
2.16	0.30	250m	250m	TW-12-Colour
2.44	0.30	250m	250m	TW-11-Colour
2.72	0.30	200m	200m	TW-10-Colour
3.02	0.38	150m	150m	TW-9-Colour
3.45	0.38	100m	100m	TW-8-Colour
3.84	0.38	100m	100m	TW-7-Colour
4.29	0.38	100m	50m	TW-6-Colour
4.83	0.38	100m	50m	TW-5-Colour

Colours Available



Natural Black Blue Yellow Green Red White

Non-Shrink Tubing

UL-Y

UL Approved, 300V PVC Sleeve
Non-shrink, insulating sleeves

COLD
Applied



RoHS
compliant

1 This UL approved PVC sleeve is rated by Underwriters Laboratories at 300v. It is highly flame retarded and passes VW1 flame test. It is also approved to UL 224.

2 Ideal for insulating wire in areas of high temperatures

3 Features & Benefits

- 4 • Passes VW1
- 5 • UL 224, file E183946
- 6 • Available in various colours

7 Operating Temperature

- 8 • From -40°C to +105°C

9 Insulation resistance: 10¹² Ohm/cm

10 Dielectric strength: 25 kV/mm

11 Tensile strength: 22 Mpa

Specifications & Approvals

- 12 • UL224 File No. E183946
- 13 • Passes VW1 flame test specification

Internal Dia.	Nominal Wall	Spool Size	Part Number
1.0	0.4	100	UL-Y-1.0-M300-Colour
1.5	0.4	100	UL-Y-1.5-M300-Colour
2.0	0.4	100	UL-Y-2.0-M300-Colour
2.5	0.4	100	UL-Y-2.5-M300-Colour
3.0	0.5	100	UL-Y-3.0-M300-Colour
4.0	0.5	100	UL-Y-4.0-M300-Colour
5.0	0.5	100	UL-Y-5.0-M300-Colour
6.0	0.5	100	UL-Y-6.0-M300-Colour
7.0	0.5	100	UL-Y-7.0-M300-Colour
8.0	0.6	100	UL-Y-8.0-M300-Colour
9.0	0.6	100	UL-Y-9.0-M300-Colour
10.0	0.6	100	UL-Y-10.0-M300-Colour
12.0	0.6	100	UL-Y-12.0-M300-Colour
14.0	0.7	100	UL-Y-14.0-M300-Colour
16.0	0.7	100	UL-Y-16.0-M300-Colour
20.0	0.8	100	UL-Y-20.0-M300-Colour
25.0	0.8	100	UL-Y-25.0-M300-Colour

17 Colours Available





The Y-105T type PVC sleeving is a flexible general purpose sleeving and is manufactured from premium virgin grade compound in a wide range of sizes. Supplied on continuous coils of 100 metres, please note that reels are also available please contact us.

Ideal for insulating wire in areas where space is at a premium.

Features & Benefits

- Flammability: Self-extinguishing in 30 sec
- Available in various colours

Operating Temperature

- From -40°C to +105°C

Insulation resistance: 10^{12} Ohm/cm

Dielectric strength: 25 kV/mm

Specifications & Approvals

- Specification BS2848/3/105T

Internal Dia.	Nom. Wall	Spool Size	Part Number
As Supplied (mm)	mm	m	
1.0	0.5	100	Y-1.0-105T-Colour
1.5	0.5	100	Y-1.5-105T-Colour
2.0	0.5	100	Y-2.0-105T-Colour
3.0	0.5	100	Y-3.0-105T-Colour
4.0	0.5	100	Y-4.0-105T-Colour
5.0	0.5	100	Y-5.0-105T-Colour
6.0	0.5	100	Y-6.0-105T-Colour
7.0	0.5	100	Y-7.0-105T-Colour
8.0	0.5	100	Y-8.0-105T-Colour
9.0	0.5	100	Y-9.0-105T-Colour
10.0	0.5	100	Y-10.0-105T-Colour
12.0	0.5	100	Y-12.0-105T-Colour
15.0	0.5	100	Y-15.0-105T-Colour
20.0	0.5	100	Y-20.0-105T-Colour
25.0	0.5	50	Y-25.0-105T-Colour

Colours Available



