

Inspired by Paul Hellermann

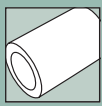
Heat-shrinkable tubes have always made it easy to repair cables and pipes. Strictly speaking, however, Paul Hellermann used rubber bike valves to bring the insulation of damaged household cables to a mass market from 1935. The idea is the only thing that our modern heat-shrinkable tubes have in common with these simple chloroprene sleeves. Take the SA47 (see page 248 in our Product Catalogue), which was specially developed in line with customer specifications and offers outstanding protection against moisture and corrosion, thus enabling vehicles to retain their functionality.





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Sleeving

PVC Sleeving

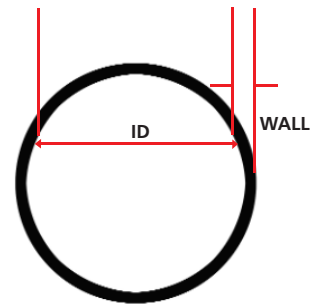
A commercial grade of PVC sleeving which can be used in many applications.

Features and Benefits

- Highly flexible insulation
- Can also be used for identification
- Minimum working temperature -30°C
- Maximum working temperature 85°C
- Specification: BS2848 Type 3, Class 85T
- Colours available: black, blue, brown, grey, green/yellow
- Other sizes are available on request
- Supplied in a coil

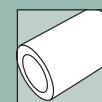


PVC Sleeving.



TYPE	ID mm	Wall Thickness mm	Colour	Pack Cont.	Article-No.
PVC20BK	2.0	0.4	Black	100m coil	172-02057
PVC20BE	2.0	0.4	Blue	100m coil	172-02054
PVC20BN	2.0	0.4	Brown	100m coil	172-02055
PVC20GY	2.0	0.4	Grey	100m coil	172-02066
PVC20GN-YW	2.0	0.4	Green/Yellow	100m coil	172-02012
PVC30BK	3.0	0.4	Black	100m coil	172-02058
PVC30BE	3.0	0.4	Blue	100m coil	172-02048
PVC30BN	3.0	0.4	Brown	100m coil	172-02047
PVC30GY	3.0	0.4	Grey	100m coil	172-02065
PVC30GN-YW	3.0	0.4	Green/Yellow	100m coil	172-02021
PVC40BK	4.0	0.4	Black	100m coil	172-02056
PVC40BE	4.0	0.4	Blue	100m coil	172-02049
PVC40BN	4.0	0.4	Brown	100m coil	172-02050
PVC40GY	4.0	0.4	Grey	100m coil	172-02051
PVC40GN-YW	4.0	0.4	Green/Yellow	100m coil	172-02029
PVC50BK	5.0	0.4	Black	100m coil	172-02067
PVC50BE	5.0	0.4	Blue	100m coil	172-02052
PVC50BN	5.0	0.4	Brown	100m coil	172-02053
PVC50GY	5.0	0.4	Grey	100m coil	172-02064
PVC50GN-YW	5.0	0.4	Green/Yellow	100m coil	172-02035
PVC60GN-YW	6.0	0.4	Green/Yellow	100m coil	172-02044
PVC80GN-YW	8.0	0.65	Green/Yellow	100m coil	172-02069
PVC100GN-YW	10	0.65	Green/Yellow	100m coil	172-02045
PVC120GN-YW	12	0.85	Green/Yellow	100m coil	172-02080
PVC160GN-YW	16	0.85	Green/Yellow	100m coil	172-02083

All dimensions are in mm (nominal) and are subject to technical modification.



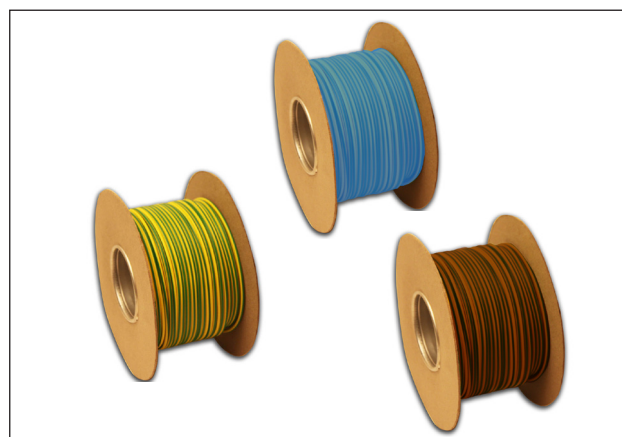
Sleeving

PVC Sleeving – On a drum

A commercial grade of PVC sleeving which can be used in many applications.

Features and Benefits

- Highly flexible insulation
- Can also be used for identification
- Minimum working temperature -30°C
- Maximum working temperature +85°C
- Specification: BS2848 Type 3, Class 85T
- Colours available: blue, brown, green/yellow
- Other sizes are available on request
- Supplied on a drum



PVC Sleeving on a drum.

TYPE	ID mm	Wall Thickness mm	Colour	Pack Cont.	Article-No.
PVC20BERL	2.0	0.5	Blue	100m drum	172-02092
PVC20BNRL	2.0	0.5	Brown	100m drum	172-02091
PVC20GN-YWRL	2.0	0.5	Green-Yellow	100m drum	172-02088
PVC30BERL	3.0	0.5	Blue	100m drum	172-02094
PVC30BNRL	3.0	0.5	Brown	100m drum	172-02093
PVC30GN-YWRL	3.0	0.5	Green-Yellow	100m drum	172-02089
PVC40BERL	4.0	0.5	Blue	100m drum	172-02096
PVC40BNRL	4.0	0.5	Brown	100m drum	172-02095
PVC40GN-YWRL	4.0	0.5	Green-Yellow	100m drum	172-02090

All dimensions are in mm (nominal) and are subject to technical modification.

Non Shrinkable Sleeving

Multi-reel Sleeving – On a drum

A one stop solution for users of PVC sleeving, who want all 3 colours on one handy reel, saves carrying around 3 separate reels of blue, brown and green and yellow.

Features and Benefits

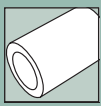
- The new PVC multi reel product gives users all 3 colour's needed for the job in one handy reel
- High-grade PVC sleeve in accordance with BS-3858 Type 3, DEF STAN 59-15, IEC 684-3-101/104, UL 224
- Manufactured in Britain
- Maximum working temperature +85°C
- Highly flexible insulation
- Can also be used for identification



Multi-reel Sleeving on a drum.

TYPE	ID mm	Wall Thickness mm	Colour	Pack Cont.	Article-No.
PVCMR20	2.0	0.5	Blue(20m),Brown(20m), Green & Yellow(60m)	100m drum	172-02117
PVCMR30	3.0	0.5	Blue(20m),Brown(20m), Green & Yellow(60m)	100m drum	172-02118
PVCMR40	4.0	0.5	Blue(10m),Brown(10m), Green & Yellow(40m)	60m drum	172-02119

All dimensions are in mm (nominal) and are subject to technical modification.



Sleeving

PVCB Sleeving

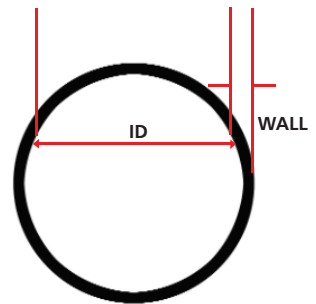
A commercial grade of PVC sleeving which has a wide range of uses in automotive and white goods manufacturing. PVCB has good resistant to moisture, oils, acids and fuels.

Features and Benefits

- Highly flexible
- Minimum working temperature -65°C
- Maximum working temperature +105°C
- Specification: BS2848 Type 3, Class 105T
- Standard colour black



PVC Sleeving.

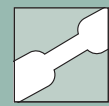


TYPE	ID mm	Wall Thickness mm	Colour	Pack Cont.	Article-No.
PVCB10BK	1.0	0.5	Black	100m coil	172-00227
PVCB15BK	1.5	0.5	Black	100m coil	172-00051
PVCB20BK	2.0	0.5	Black	100m coil	172-00055
PVCB25BK	2.5	0.5	Black	100m coil	172-00060
PVCB30BK	3.0	0.5	Black	100m coil	172-00064
PVCB40BK	4.0	0.5	Black	100m coil	172-00072
PVCB50BK	5.0	0.5	Black	100m coil	172-00076
PVCB60BK	6.0	0.5	Black	100m coil	172-00080
PVCB70BK	7.0	0.7	Black	100m coil	172-00084
PVCB80BK	8.0	0.7	Black	100m coil	172-00087
PVCB90BK	9.0	0.7	Black	100m coil	172-00088
PVCB100BK	10.0	0.7	Black	100m coil	172-00043
PVCB120BK	12.0	0.9	Black	100m coil	172-00048
PVCB130BK	13.0	0.9	Black	50m coil	172-00049
PVCB150BK	15.0	0.9	Black	50m coil	172-00052
PVCB200BK	20	0.9	Black	50m coil	172-00058
PVCB250BK	25	0.9	Black	25m coil	172-00061

All dimensions are in mm (nominal) and are subject to technical modification.



For more products see Section 2.1 in our Product Catalogue.



Sleeving

HIS-3 BAG

A 3:1 shrink ratio in handy 250mm lengths allows for both individual and large bundled wires to be sleeved quickly and easily.

Features and Benefits

- Comes in 5 colours: black, brown, grey, blue, green/yellow
- 3 sizes from 6mm to 40mm
- Ideal to carry in a toolbox
- General purpose electrical installation
- Colour identification
- Protection against mechanical abrasion and corrosion
- Operating temperature -55°C to +135°C



HIS-3 BAG.

TYPE	Supplied ID mm	Recovered ID mm	Wall (WT) mm	Colour	Pack Cont.	Article-No.
HIS-3-BAG-6/2MX	6	2	0.65	BK, BN, GY, BE, GNYE	15 x 250mm	308-30616
HIS-3-BAG-12/4MX	12.4	4	0.80	BK, BN, GY, BE, GNYE	15 x 250mm	308-31216
HIS-3-BAG-40/13MX	40	13	0.80	BK, BN, GY, BE, GNYE	10 x 250mm	308-34010



For more products see Section 2.1 in our Product Catalogue.

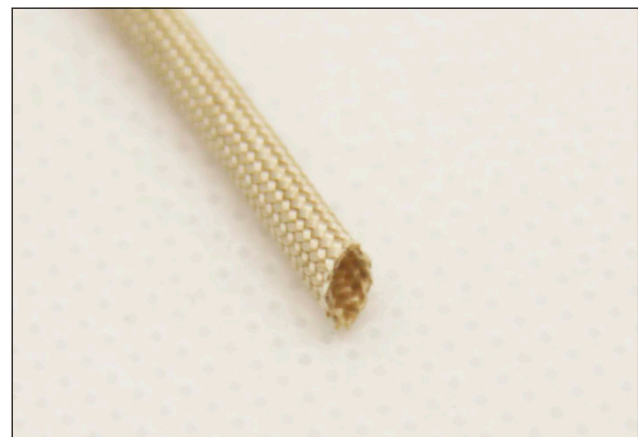
Heat Shrinkable Tubing

Glass Braided Sleeving

Helagain GSS is a range of lightweight, braided sleeving made from highly flexible glass fibre impregnated with silicone rubber. GSS has good resistance to chemical attack and has excellent flame resistance characteristics.

Features and Benefits

- Temperature range -60°C to +220°C
- Continuous (peak of +450°C)
- Intermittent temperature +290°C)
- Breakdown voltage: 1KV
- Colour: Cream/Off White – supplied in 25m coils



Glass braided sleeving.


TYPE	Bore dia mm	Colour	Pack Cont.
GSS1.0	1.0	White	25m
GSS1.5	1.5	White	25m
GSS2.0	2.0	White	25m
GSS2.5	2.5	White	25m
GSS3.0	3.0	White	25m
GSS4.0	4.0	White	25m
GSS5.0	5.0	White	25m
GSS6.0	6.0	White	25m
GSS7.0	7.0	White	25m
GSS8.0	8.0	White	25m
GSS10.0	10.0	White	25m

Inspired by efficiency

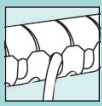
Applying protective covers to cables and wiring can be time consuming – removing them for maintenance or modifications even more so. Reduction in the time needed to remove and reapply cable covers inspired us to develop Helawrap. This flexible cable-bundling solution is quick and easy to apply with a simple zipper-like action. Specially designed gaps in the overlapping cover mean installers can safely branch off cables at any point. Whether used in the office, factory, wind or solar installations, we ensure that all our cable protection solutions score highly on their usability and quality – and maximum efficiency





 3.1 Protective Tubing and Spiral Binding..... 31





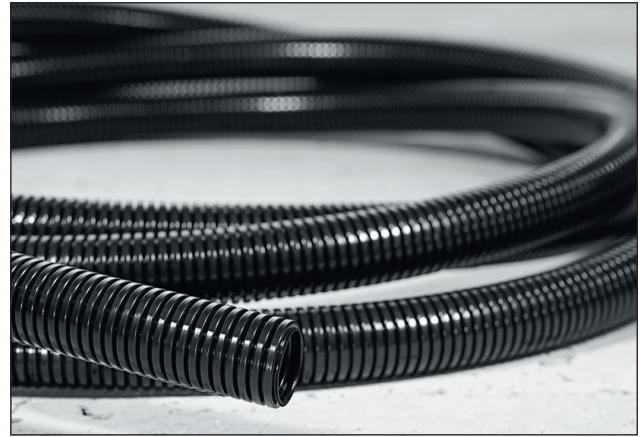
Protective Tubing

FCT Convuluted Tubing

Used to protect cables from crush damage it is lightweight and flexible. Also used to route and protect wiring in control panels, cabinets, machines, cars and commercial vehicles.

Features and Benefits

- Ranging in sizes from 6.8mm to 23.5mm inside diameters
- Available in black as standard
- Other colours available on request
- Halogen free
- Manufactured from quality grade Nylon PA6
- Minimum working temperature -40°C
- Maximum working temperature +120°C
- Slit format also available



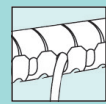
FCT Convuluted Tubing.

TYPE	Description	OD mm	Wall Thickness mm	Pack Cont.	Article- No
FCT7BK	Standard	9.9	0.45	200m	169-00082
FCT10BK	Standard	14	0.45	200m	169-00024
FCT11BK	Standard	15.5	0.45	200m	169-00034
FCT13BK	Standard	17.3	0.45	200m	169-00045
FCT16BK	Standard	20.7	0.45	100m	169-00057
FCT19BK	Standard	23.5	0.45	50m	169-00067
FCT23BK	Standard	27.7	0.45	50m	169-00075
FCT7BKS	Slit	9.9	0.45	200m	169-00085
FCT10BKS	Slit	14	0.45	200m	169-00027
FCT11BKS	Slit	15.5	0.45	200m	169-00038
FCT13BKS	Slit	17.3	0.45	200m	169-00048
FCT16BKS	Slit	20.7	0.45	100m	169-00060
FCT19BKS	Slit	23.5	0.45	50m	169-00070
FCT23BKS	Slit	27.7	0.45	50m	169-00078



For Application Tools to be used with the slit version please see our Product Catalogue page 339





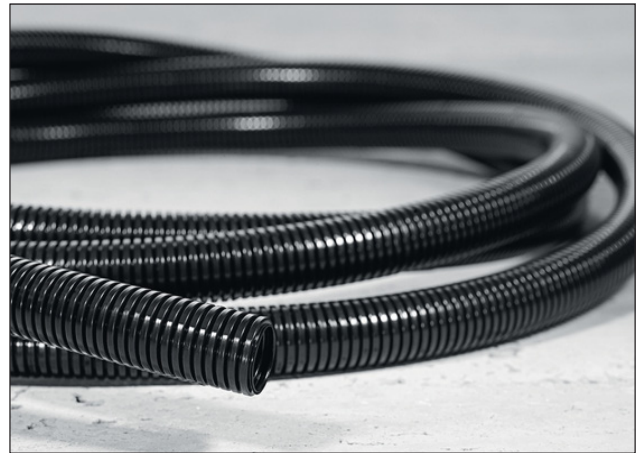
Protective Tubing

FCT Convoluted Tubing with added UV Protection

Lightweight and flexible with added UV protection. To be used in applications with high levels of UV exposure and also to protect cables from crush damage.

Features and Benefits

- Ranging in sizes from 6.8mm to 23.5mm inside diameters
- Available in black as standard
- Other colours available on request
- Halogen free
- Manufactured from quality grade Nylon PA6
- Minimum working temperature -40°C
- Maximum working temperature +120°C
- Slit format also available



FCT Convoluted Tubing with added UV

TYPE	Description	OD mm	Wall Thickness mm	Pack Cont.	Article- No
FCTUV7	Standard	9.9	0.45	50m	169-00159
FCTUV10	Standard	14	0.45	50m	169-00161
FCTUV11	Standard	15.5	0.45	50m	169-00163
FCTUV13	Standard	17.3	0.45	50m	169-00165
FCTUV16	Standard	20.7	0.45	50m	169-00167
FCTUV19	Standard	23.5	0.45	50m	169-00169
FCTUV23	Standard	27.7	0.45	25m	169-00171
FCTUV26	Standard	32.0	0.55	25m	169-00173
FCTUV7S	Slit	9.9	0.45	50m	169-00160
FCTUV10S	Slit	14	0.45	50m	169-00162
FCTUV11S	Slit	15.5	0.45	50m	169-00164
FCTUV13S	Slit	17.3	0.45	50m	169-00166
FCTUV16S	Slit	20.7	0.45	50m	169-00168
FCTUV19S	Slit	23.5	0.45	50m	169-00170
FCTUV23S	Slit	27.7	0.45	25m	169-00172
FCTUV26S	Slit	32.0	0.55	25m	169-00174





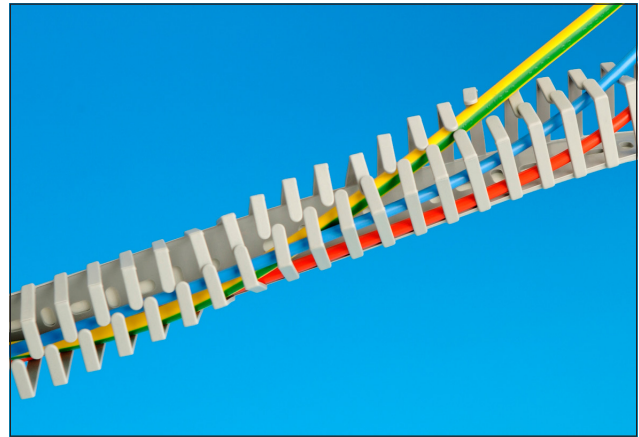
Protective Tubing

Kanalflex

A flexible routing system made from grey polypropylene (RAL7040). The upper 'tongues' of the section are inclined downward to facilitate easy insertion of cables.

Features and Benefits

- Supplied with adhesive strip and pre-drilled holes for additional screw fixing if required
- Supplied in lengths of 500mm in packs of 10 lengths



Kanalflex Routing System.

TYPE	Dimensions mm	Pack Cont.	Article-No.
BK1313A	12.5 x 12.5	10 x 0.5m	181-00029
BK1616A	16 x 16	10 x 0.5m	181-00030
BK2020A	20 x 20	10 x 0.5m	181-00031
BK2525A	25 x 25	10 x 0.5m	181-00032
BK3030A	30 x 30	10 x 0.5m	181-00033
BK4040A	40 x 40	10 x 0.5m	181-00034
BK5050A	50 x 50	10 x 0.5m	181-00035



For more products see Section 3.5 in our Product Catalogue.

Helaguard Handipacks

HG-PP

A range of Handipacks aimed at the contractor.

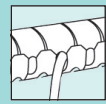
Features and Benefits

- All packs have 10mtrs of conduit and 10 standard fittings
- Other materials available on request
- Two popular sizes of conduit for each type to suit M20 and M25 fittings
- Polypropylene HG-PP
- Suitable for general purpose installation
- IP40 fittings
- Halogen free and good resistance to oils and greases



Handipacks.

TYPE	Description	Pack Cont.	Article-No.
HGPP21HP	HGPP21 Conduit	10 mts x M20 fittings	166-61003
HGPP26HP	HGPP26 Conduit	10 mts x M25 fittings	166-61004



Flexible Tubing

Black Flexible Conduit

Made to CEI Standards CEI EN 50086 1-94 and CEI EN 50086 2.3-1996 degree of protection achieved with fitting is IP65.

Features and Benefits

- Plasticised PVC with shockproof rigid PVC spiral core
- Colour Black (other colours available to special order)
- Dielectric strength: greater than 2000V. 50Hz for 15 min
- Minimum temperature -5°C
- Maximum temperature +60°C
- Bend radius: As conduit outside diameter
- Incandescent wire test at +850°C positive result – IMQ report No 1493
- Self-extinguishing to UL 94 VO Standards
- Supplied in 30m coils



Flexible Conduit.

TYPE	Int. Dia mm	Ext. Dia mm	Pack Cont.
GUAN10	10	14.7	30m
GUAN12	12	16.4	30m
GUAN16	16	20.7	30m
GUAN20	20	24.7	30m
GUAN25	25	30.6	30m
GUAN28	28	33.5	30m
GUAN32	32	38.0	30m
GUAN35	35	41.0	30m
GUAN40	40	46.4	30m
GUAN50	50	57.2	30m

Flexible Tubing

Black Flexible Conduit Handipacks

10 metres of black conduit and 10 straight fittings supplied in a handy pack.

Contents: 801 10 x GUAN16 & 10 x RAMN16
802 10 x GUAN22 & 10 x RAMN22
803 10 x GUAN20 & 10 x RAMN20



Flexible Conduit in a Handipack.

TYPE	Int. Dia mm	Ext. Dia mm	Pack Cont.
801HANDIPAK	16	20.7	1
802HANDIPAK	22	27.7	1
803HANDIPAK	20	24.7	1



Flexible Tubing

Straight Fittings

A range of straight fittings which can be easily assembled onto the conduit without the use of tools to give a swivel joint to IP65 standards.

Features and Benefits

- Fittings are made from self-extinguishing polypropylene material
- Available with metric and gas threads in compliance with CEI23-26 standards
- Swivel fittings easily fitted to the conduit with O rings to maintain the IP rating when terminating into enclosures etc
- Colour Black



Straight Fittings.

TYPE	Thread	To fit conduit mm	Pack Cont.
RAMN12	16 x 1.5 Metric	12	1
RAMN16	20 x 1.5 Metric	16	1
RAMN20	25 x 1.5 Metric	20	1
RAMN22	25 x 1.5 Metric	22	1
RAMN25	32 x 1.5 Metric	25	1
RAMN32	40 x 1.5 Metric	32	1
RAGN10	1/4 in Gas	10	1
RAGN12	3/8 in Gas	12	1
RAGN16	1/2 in Gas	16	1
RAGN22	3/4 in Gas	22	1
RAGN25	1 in Gas	25	1
RAGN28	1 in Gas	28	1
RAGN32	1.1/4 in Gas	32	1
RAGN35	1.1/4 in Gas	35	1
RAGN40	1.1/2 in Gas	40	1
RAGN50	2 in Gas	50	1