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to  
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## Hellermann Electric

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VAT Reg. No. GB 209 8000 84

### PRODUCT DATA SHEET 1

#### HELVIN - PVC

#### XY, P

The Helvin range of tubing is extruded in a specially compounded PVC material. Helvin is available as continuous tubings, cut sleeves and semi severed sleeves. The sleeves can be permanently marked to individual requirements for identification of cables, looms and other components. Due to the relatively thin wall section Helvin is ideal for binding applications where it is desirable to minimise the overall diameter of the loom assemblies. Helvin can be stretch fit to 1.5 x bore.

Helvin comes in two ranges of wall thickness -  
 XY, 0.4 - 0.85mm  
 P, 0.3 - 0.5mm

Sizes range from 0.5mm to 25.0mm internal diameter for both P and XY.

#### Typical Properties

Continuous temperature range	-65°C to 105°C
Intermittent temperature (200hr)	135°C
Light fastness	Standard 6 (BS2782: method 540B)
Resistance to moisture, ozone and U.V.	Good
Resistance to mineral oils, vegetable oils	Good
Resistance to acids and alkalis	Good
Resistance to aromatic fuel	Good
Proof voltage	4Kv
Insulation resistance	10 <sup>4</sup> Meg ohms
Shelf life (<40°)	5 years

Colours - Standard range: Black, Brown, Red, Orange, Yellow, Green, Blue,  
 Violent, Grey, White.  
 Also available: Green/Yellow, Pink, Transparent (see Data Sheet 35)

Approved to Def Stan, 59-15/3 Type D1a. - P  
 Type D1b. - XY

Helvin complies with BS3858 Type 3(P), BS 2848 Type 3(XY), UL224 (105°C), UL94V-0 and IEC 684-3 sheet 101/104. Where applicable, colours are to BS6746C.

All testing has been carried out according to these standards.

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HELLERMANN ELECTRIC a division of BOWTHORPE plc

REGISTERED IN ENGLAND No. 470893 GATWICK ROAD, CRAWLEY WEST SUSSEX



No 860c

## HELsyn BINDING SLEEVES

Helsyn Binding Sleeves are made from an extruded neoprene material of high elasticity and are particularly useful for binding the ends of braided mains leads into plugs and portable equipment. Helsyn Sleeves are best applied with the Hellermann 3-pronged expanding tool and Hellerine Lubricant

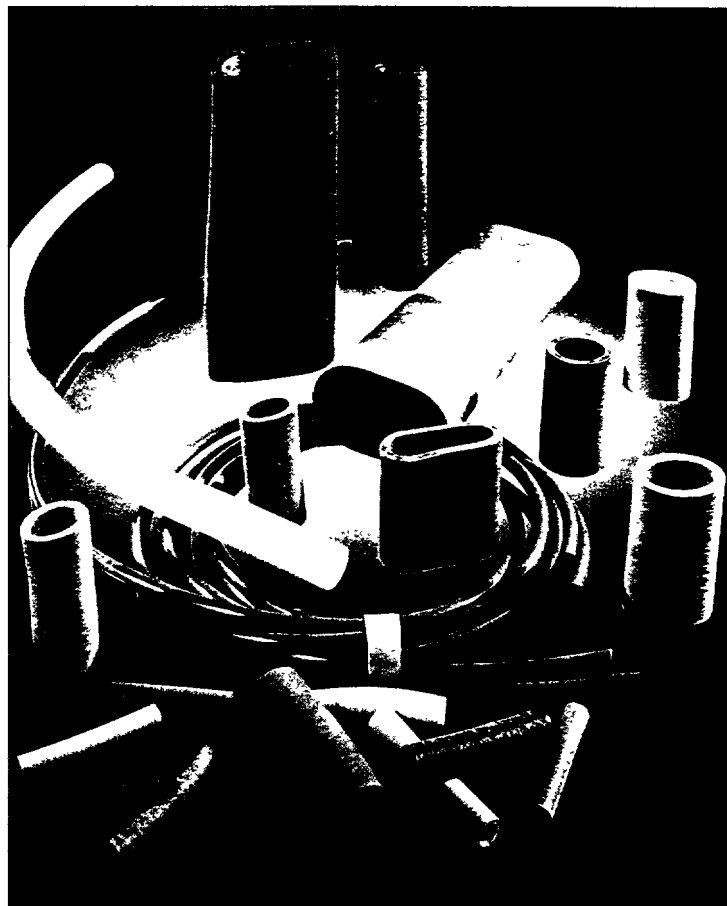
### COLOURS AVAILABLE

Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Pink.

Available in PACKS OF 100 OR 1000  
Standard length 20mm

REF	ORDER CODE	QUANTITY	INT DIA (MM)	MAX O D OF CABLE (MM)
H12x20	Q10 *Q1	1000 100	1.2	2.4
H15x20	Q11 *Q2	1000 100	1.5	3.0
H20x20	Q12 Q3	1000 100	2.0	4.0
H30x25	Q13 Q4	1000 100	3.0	6.0
H50x25	Q14 Q5	1000 100	5.0	10.0
H75x25	Q15 *Q6	1000 100	7.5	15.0
H100x25	Q16 *Q7	1000 100	10.0	19.8
H150x25	Q17 Q8	1000 100	15.0	30.0
H200x25	Q18 Q9	1000 100	20.0	40.0

N.B \*Q1: Bk Rd Yw Gn Be only.  
Q2: Bk Rd Yw Gn Be Pk only.  
Q6 & Q7: Bk Rd Yw Be only



## HELsyn CONTINUOUS NEOPRENE SLEEVING

Made from extruded polychloroprene compound with good mechanical, oil resisting and weathering properties. Suitable for use in temperature range -65°C to +95°C (intermittently 120°). Available in black, red, yellow, blue and green in sizes up to 5mm internal diameter. Supplied in 25m coils.

REF	ORDER CODE	INT DIA (MM)
H12	Q101	1.2
H15	Q102	1.5
H20	Q103	2.0
H30	Q104	3.0
H50	Q105	5.0

## HELsyn 250 H CONTINUOUS SILICONE SLEEVING

For high temperature applications. Made from extruded silicone rubber compound to BS 3G198 part 1 type 1 & BS 3858 type 2. Resists a wide range of chemicals and weathering. Good ozone resistance. Temperature range -60°C to +180°C (intermittently 250°C). Available in black or red with internal diameter up to 5mm. Supplied in 25m coils.

SLP 30 & SLP 40 ALSO AVAILABLE IN 100m COILS. OTHER SIZES TO SPECIAL ORDER.

REF	ORDER CODE	QTY M	INT DIA (MM)
SLP10	Q201	25m	1.0
SLP15	Q202	25m	1.5
SLP20	Q203	25m	2.0
SLP30	Q204	25m	3.0
SLP40	Q205	25m	4.0
SLP50	Q206	25m	5.0
SLP30	Q207	100m	3.0
SLP40	Q208	100m	4.0

# CONTINUOUS SLEEVING

## CONTINUOUS PVC SLEEVING

General purpose sleeving to BS 2848 Type 3 Class 85T  
Available in black with internal diameters from 1mm to 25mm.  
Wall thickness 0.4-0.85mm.  
Supplied in 100m coils.

REF	ORDER CODE	INT DIA (MM)	REF	ORDER CODE	INT DIA (MM)
XY10	Q401	1.0	XY80	Q409	8.0
XY15	Q402	1.5	XY90	Q410	9.0
XY20	Q403	2.0	XY100	Q411	10.0
XY25	Q399	2.5	XY120	Q412	12.0
XY30	Q404	3.0	XY130	Q413	13.0
XY40	Q405	4.0	XY150	Q414	15.0
XY50	Q406	5.0	XY200	Q415	20.0
XY60	Q407	6.0	XY250	Q416	25.0
XY70	Q408	7.0			



## COLOURED SLEEVING TO BS 2848 TYPE 3 CLASS 105T

Available in red, blue, yellow and green with internal diameters from 0.5mm to 10mm. Wall thickness 0.5mm.  
Black to special order.

REF	ORDER CODE	INT DIA (MM)	REF	ORDER CODE	INT DIA (MM)	REF	ORDER CODE	INT DIA (MM)
CXY1.0	Q451	1.0	CXY3.0	Q454	3.0	CXY5.0	Q456	5.0
CXY1.5	Q452	1.5	CXY4.0	Q455	4.0	CXY6.0	Q457	6.0
CXY2.0	Q453	2.0						

# EARTH SLEEVING

## GENERAL PURPOSE SLEEVING TO BS 2848 TYPE 3 CLASS 85T

High grade PVC sleeving for earth wire identification. Yellow/Green  
Wall thickness 0.5mm  
Supplied in 100m coils.

REF	ORDER CODE	INT DIA (MM)	REF	ORDER CODE	INT DIA (MM)	REF	ORDER CODE	INT DIA (MM)
GY1.5	Q300	1.5	GY4	Q303	4.0	GY8	Q306	8.0
GY2	Q301	2.0	GY5	Q304	5.0	GY10	Q307	10.0
GY3	Q302	3.0	GY6	Q305	6.0	GY12	Q308	12.0

# GLASS BRAID SLEEVING

## TYPE GSS

Highly flexible glass fibre braided sleeving impregnated with silicone rubber.

Temperature range -60° to +220°C continuous (peak of +300°C).

Breakdown voltage 1kV.

Colour: white. Supplied in 25m coils.

REF	ORDER CODE	BORE DIA (MM)	REF	ORDER CODE	BORE DIA (MM)	REF	ORDER CODE	BORE DIA (MM)
GSS1	Q681	1.0	GSS3	Q685	3.0	GSS7	Q689	7.0
GSS1.5	Q682	1.5	GSS4	Q686	4.0	GSS8	Q680	8.0
GSS2	Q683	2.0	GSS5	Q687	5.0	GSS10	Q691	10.0
GSS2.5	Q684	2.5	GSS6	Q688	6.0			

12mm, 14mm, 16mm & 18mm diameter sleeving available to special order.

# SELF ADHESIVE PVC ELECTRICAL TAPES

A range of self adhesive PVC electrical tapes to BS 3924, BS 4J10 and IEC 454-3-1

Tape width 19mm.

Reel length 33 m.

## SPECIFICATION

Flame retardancy, self extinguishing within 50mm.

Service temperature range -5°C to 70°C

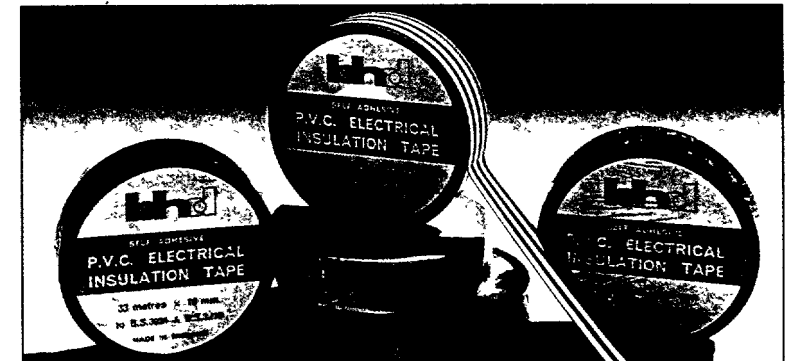
Adhesion to steel plate 2.6N/cm

Adhesion to self 2.1N/cm

Elongation at Break 180%

Thickness 0.145mm

Min. quantity: 1 carton - 48 rolls



REF	ORDER CODE	COLOUR	REF	ORDER CODE	COLOUR
33mx19mm	A1450bk	Black	33mx19mm	A1450g/w	Green/Yellow
33mx19mm	A1450be	Blue	33mx19mm	A1450we	White
33mx19mm	A1450rd	Red	33mx19mm	A1450yw	Yellow

Note 48 rolls per carton