

# SH 3:1 Sleeving – Technical Data Sheet

## Product Data

### Storage:

Cool dry place out of direct sunlight

### Material:

Polyolefin

### Operating Temperature:

-55°C to +125°C

### Pack Quantity Tolerance of Cut lengths:

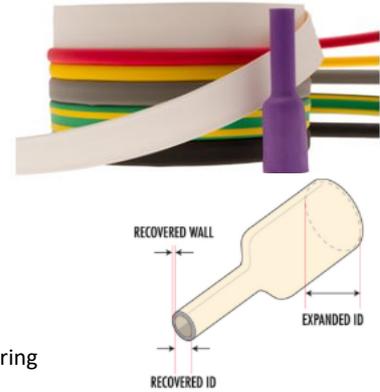
Under 5mm – Standard pack quantities  
500 / 1000 pcs +/- 5%

Over 5mm – Standard pack quantities of  
1000 +/- 2%

## Application Method – Shrink on

Manufactured from OSH Polyolefin, SHP 3:1 Cable Sleeves and Sleeving are flame retarded (except transparent). Military grade heat shrink cable and wire sleeves meet a wide range of military and industrial specifications. SHP 3:1 Cable Sleeves and Sleeving will operate in the temperature range of -55°C to +135°C.

- Flame Retardant
- Self-Extinguishing
- Temperature range -55°C to +125°C
- Good Die electric strength
- Available in 12 colours
- ROHS Compliant



Can also be supplied in marked form. Please see ordering information section for details.

## Order Information

### 3:1 Sleeving

Product	Expanded ID Bore (Min mm)	Recovered ID Bore (Max mm)	Recovered Wall Nominal (mm)	Order Reference
SHP15/05	1.5	0.5	0.5	SHP15/05**
SHP30/10	3.0	1.0	0.6	SHP30/10**
SHP60/20	6.0	2.0	0.7	SHP60/20**
SHP90/30	9.0	3.0	0.8	SHP90/30**
SHP120/40	12.0	4.0	0.85	SHP120/40**
SHP180/60	18.0	6.0	1.0	SHP180/60**
SHP240/80	24.0	8.0	1.20	SHP240/80**
SHP400/130	40.0	13.0	1.25	SHP400/130**

\*\* - BK (Black), BN (Brown), RD (Red), OR (Orange), YW (Yellow), GN (Green), BE (Blue), VT (Violet), GY (Grey), WE (White), PK (Pink), TR (Trans)

## Kit Boxes

Product / Order Number	Expanded ID (Min mm)	Length (mm)	Colour	Marking	Minimum Quantity Each Marking
KBX-SHM15/05-0-9	1.5	4	RCC 10 Colours	0-9	300
KBX-SHM30/10-0-9	3.0	4	RCC 10 Colours	0-9	300
KBX-SHM60/20-0-9	6.0	5	RCC 10 Colours	0-9	250
KBX-SHM15/05-A-Z	1.5	4	Yellow	A-Z	300
KBX-SHM30/10-A-Z	3.0	4	Yellow	A-Z	300
KBX-SHM60/20-A-Z	6.0	5	Yellow	A-Z	250

Ordering Information Example  
SHP 30/10 x 50 WE



Omit the letter 'P' from code if you require continuous sleeving.

Ordering Information Example  
SHM 15/05 x 25 WE Plug 1a



**Also Available in Flattened continuous sleeving, Par-O-Cut markers, Kit Bags  
Please contact us for any sizes or colour not listed.....**

## SH 3:1 Sleeving – Technical Data Sheet

### Product Properties

Property	Result	Test Method
Operating Temperature	-55°C to +135°C	SAE-AS23053
Longitudinal Change	-7%	SAE-AS23053
Specific Gravity	1,34	ASTM D 792
Tensile Strength	≥ 12 MPa	ASTM D 638
Elongation at Break	≥ 400 %	ASTM D 638
Secant Modulus	65 MPa	ASTM D 882
Min. Shrink Temperature	90°C	Shrink curve
Shrinking starts at	60°C	Shrink curve
Heat Shock (250°C x 4h)	Pass	SAE-AS23053
Elongation after heat ageing (158°C x 168h)	≥ 400%	SAE-AS23053
Cold bend (-55°C x 4h)*	Pass	UL 224
Copper Corrosion (158°C x 168h)	Pass	SAE-AS23053
Stability against copper (158°C x 168h)	Pass	SAE-AS23053
Flammability*	Pass	UL 224
Water Absorption	0,25%	ASTM D 570
Fluid Resistance (after immersion 24°C x 24h)	7,25 - 14 MPa	SAE-AS23053
Fungus Resistance	Pass	SAE-AS23053
Ozone resistance	Pass	NF F 00-608
Voltage Rating*	600V	UL 224
Dielectric Voltage Withstand (2.5kV x 60s)*	Pass	UL 224
Volume Resistivity	$3,1 \times 10^{14} \Omega \cdot \text{cm}$	ASTM D 876
Dielectric Strength	≥ 30 kV/mm	ASTM D 876

\*Results derived from UL registered product

### Business Management Accreditations



Registered in England No. 412829

©2023 SEI Identification Solutions Limited. All rights reserved. The information on this datasheet is provided for general information only. Although we make reasonable efforts to update the information on this datasheet, we make no representations, warranties or guarantees, whether express or implied, that the content of the datasheet is accurate, complete, or up to date. Users are advised to ensure that each product meets their own requirements, and we will not be liable for any loss or damage arising in connection with your use of or reliance on any information contained in this datasheet. Specifications given in this data sheet are subject to change without notice.