W3NH Cable Sleeves & Sleeving – Technical Data Sheet

Product Data

Storage:

Cool dry place out of direct sunlight

Material:

Polyolefin

Operating Temperature:

-40°C to +105°C

Pack Quantity Tolerance of Cut lengths:

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

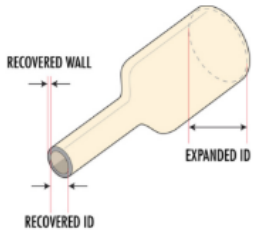
Over 5mm – Standard pack quantities of 1000 +/- 2%

Application Method – Shrink on

W3NH Cable Sleeves and Sleeving are for use in areas where low fire hazard properties are mandatory, particularly mass-transit and underground areas. W3NH Cable Sleeves and Sleeving will operate in the temperature range -40°C to +105°C.

- Flame Retardant
- Zero Halogen
- Temperature range -40°C to +105°C
- RoHS Compliant

Bulk packed as standard; also available packed to your requirements. iPS W3NH Cable Sleeves and Sleeving is available as 1.2m lengths, (shorter lengths on sizes 500/190 and 1200/400) or cut sleeves.



Order Information

Order Reference	Expanded ID Bore Min. (mm)	Recovered ID Bore Max. (mm)	Wall Thickness (Nom. mm)
WENH30/10	3.2	1.0	0.95
W3NH45/15	4.8	1.5	1.10
W3NH60/20	6.4	2.0	1.2
WENH90/30	9.5	3.0	1.3
WENH120/40	12.7	4.0	1.4
W3NH190/60	19.0	6.0	1.8
W3NH240/80	24.0	8.0	2.5
W3NH400/130	40.0	13.0	2.5
W3NH500/190	50.0	19.0	4.0
W3NH750/250	75.0	25.0	3.0
W3NH1200/400	120.0	40.0	3.0

Please contact us for any sizes not listed…….

Ordering Information Example
W3NHP 30/10 x 50 BK

- Colour Code
- Length in mm
- Expanded Bore size
- Product Reference

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

Colour Availability:

Black.

Other sizes available on request

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Product Properties

Property	Result	Test Method
Operating Temperature	-40 up to 105°C	life-Curve
Longitudinal Change	Pass	SAE-AS23053
Tensile Strength	Pass	ASTM D 638
Elongation at Break	Pass	ASTM D 638
Secant Modulus	Pass	ASTM D 882
Min. Shrink Temperature	-40 up to 105°C	Shrink curve
Shrinking starts at	20°C	Shrink curve
Low temperature flexibility (-40°C x 4h)	Pass	SAE-AS23053
Heat Shock (225°C x 4h)	Pass	SAE-AS23053
Copper mirror corrosion (175°C x 16h)	Pass	SAE-AS23053
Tensile strength after ageing (136°C x 168h)	Pass	ASTM D 638
Elongation after ageing (136°C x 168h)	Pass	ASTM D 638
Halogen Content	Zero	NFX-70-100. BS 6853
Flammability	Pass	Japanese Railway
Water Absorption	Pass	ASTM D 570
Flame spread Index	Pass	ASTM E162
Flammability-Oxygen Index	≥ 37	BS EN ISO 4589-2 / BS 6853
Flammability Temperature Index	> 350°C, Pass	BS 6853 / LUL E1042
Smoke density	< 150: R22/HL3	EN 45545-2
Oxygen-Index	≥ 37: R22/HL3	EN 45545-2
Toxic Fume Emission	< 0,75: R22/HL3	EN 45545-2
Toxic gas Generation	Pass	BSS 7239
Voltage Rating	Pass	600V
Volume Resistivity	> 10^{13} Ω·cm	ASTM D 876
Dielectric Strength	Pass	ASTM D 876
Fluid Resistance (after immersion 23°C x 24h)	≥ 6 MPa	IEC 60684-3-216
Fluid Resistance (after immersion 23°C x 24h)	≥ 200%	IEC 60684-3-216
Fungus resistance	Pass	ISO 846

Business Management Accreditations

bsi AS/EN 9100 Aviation Space and Defence CERTIFIED · EN 9120 Aviation Space and Defence CERTIFIED · ISO 14001 Environmental Management CERTIFIED · ISO 45001 Occupational Health and Safety Management CERTIFIED

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