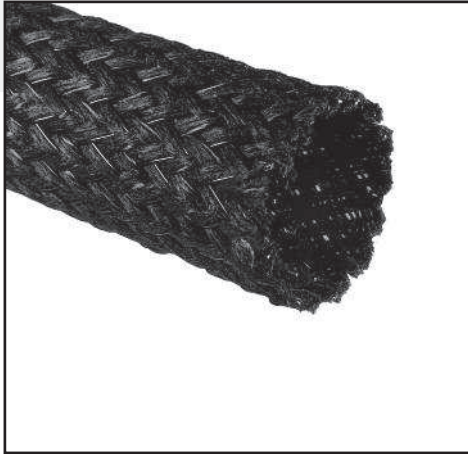


## PROTECTIVE SLEEVING

### PERIFLEX NEP-O

Sleeving for thermal, electrical, mechanical & EMI applications



#### Notes

This information and data is believed to be accurate and reliable. We place at your disposal the technical information necessary for the correct use of our products and offer the possibility of simulating in our laboratory the conditions of many applications, in order to advise on the suitability of our products. As conditions and methods of use are beyond our control, the user must confirm suitability before adopting our products for commercial use. We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.

#### Applications

Mechanical and thermal protection of electrical conductors and other components and diminution of noise caused by vibrations. Because of its expandability the product allows the jacketing of bunches and sets of wires of different diameters within the same sleeving and is very easy to mount.

#### Description

Braided sleeving composed of monofilament polyamide 6.6 and textured and non-textured polyester multifilament. Due to its special composition and disposition of the yarns this sleeving is able to increase in diameter up to three times while maintaining a high degree of surface coverage in the whole range of expansion so facilitating the jacketing of cables, etc. Due to its resilience it recovers quickly to its initial diameter. It prevents or deadens noise from unprotected cables touching each other or other surfaces.

#### Features & Benefits

- Excellent sound adsorption
- Good abrasion resistance
- Self-extinguishing
- Excellent chemical resistance
- Halogen free

**Note:** Colour tone may vary. This does not affect technical properties of sleeve.

#### Operating Temperature

- -40°C to +150°C

#### Monofilament Diameter

- 2.00 mm

#### Expansion Ratio

- 1 to 3 approx.

#### Specifications

- IEC 60684
- UL 224

#### Put up

On coils of variable length, depending on the diameter of the sleeving. In cut lengths.

#### Handling

No special handling requirements. For product safety data and product disposal advice, see separate Safety Data Sheet.

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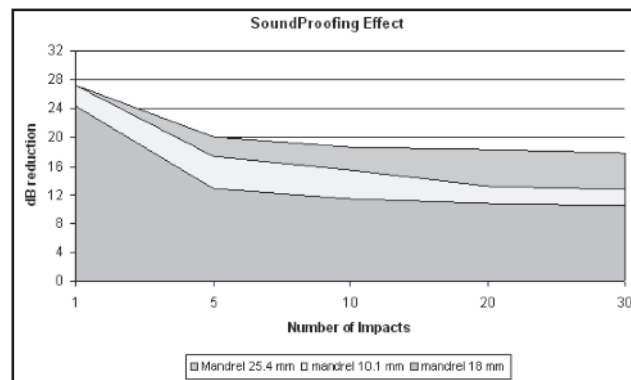
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#### Technical Characteristics

Property	Test	Result																											
Thermal Overcharge and Ageing Resistance	Simulation of real operating conditions	Good resistance to thermal overcharges. Maintains its properties after accelerated thermal ageing: 10 days at 175°C																											
Flammability	UL 224 FMV SS302	Self-extinguishing Self-extinguishing type A																											
Cold Resistance	Bending at low temperature. IEC 60684 – Part 2 Clause 14	No cracking after bending at -40°C																											
Noise Reduction	Comparison on in noise generated by striking metallic mandrel inside sleeving 30 times successively against anvil and striking unprotected mandrel.	See graph attached																											
4 Chemical Resistance	Simulation of real operating conditions	In general good resistance to aggressive chemical agents.																											
		<table border="1"> <thead> <tr> <th>Fluid</th> <th>1 hr at 23°C</th> <th>5 min at 90°C</th> </tr> </thead> <tbody> <tr> <td>Unleaded 98 octane petrol</td> <td>Pass</td> <td>----</td> </tr> <tr> <td>Diesel fuel</td> <td>Pass</td> <td>----</td> </tr> <tr> <td>Antifreeze – Renault Glaceol RX Type D</td> <td>Pass</td> <td>Pass</td> </tr> <tr> <td>Windscreen washer fluid – ad. Pro</td> <td>Pass</td> <td>----</td> </tr> <tr> <td>White spirit</td> <td>Pass</td> <td>----</td> </tr> <tr> <td>Brake fluid – DOTS</td> <td>----</td> <td>Pass</td> </tr> <tr> <td>Motor oil – Elf Competition 15W50ST</td> <td>----</td> <td>Pass</td> </tr> <tr> <td>Cold degreaser – Renault 20</td> <td>----</td> <td>Pass</td> </tr> </tbody> </table>	Fluid	1 hr at 23°C	5 min at 90°C	Unleaded 98 octane petrol	Pass	----	Diesel fuel	Pass	----	Antifreeze – Renault Glaceol RX Type D	Pass	Pass	Windscreen washer fluid – ad. Pro	Pass	----	White spirit	Pass	----	Brake fluid – DOTS	----	Pass	Motor oil – Elf Competition 15W50ST	----	Pass	Cold degreaser – Renault 20	----	Pass
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## PROTECTIVE SLEEVING

### PERIFLEX NEP-O

Sleeving for thermal, electrical,  
mechanical & EMI applications

#### Dimensions

Reference	Size Range			Standard Packaging (m)
	Minimum	Nominal	Maximum*	
E165055O04	4	2	9	200
E245055O06	6	2	14	200
E325055O14	14	6	22	200
E445055O18	18	10	32	100
E645055O22	22	12	50	100
E968055O60	60	30	90	100
E125055O80	80	40	120	100
P121055O50	50	27	85	50

**Note:** As the inside diameter is coming closer to the maximum expansion, the sleeving shrinks in length. Other diameters supplied upon request.

\* Maximum expansion can be greater than value stated. This is minimum guaranteed expansion.

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