

 Relats HQ	 +34 938 627 510	 relatshq@relats.com
Relats China	+86 512 8155 7766	relatschina@relats.com
Relats México	+52 472 748 91 00	relatsmexico@relats.com
Relats Maroc	+212 539 398 850	relatsmaroc@relats.com

**SLEEVINGS FOR THERMAL, ELECTRICAL, MECHANICAL & EMI APPLICATIONS**



**SPECIFICATIONS:**

· IEC60684 sheet 340

**APPLICATION:**

Mechanical and thermal protection of electrical conductors and other componenets and disminution 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.

**OPERATING TEMPERATURE:** -70°C to +150°C

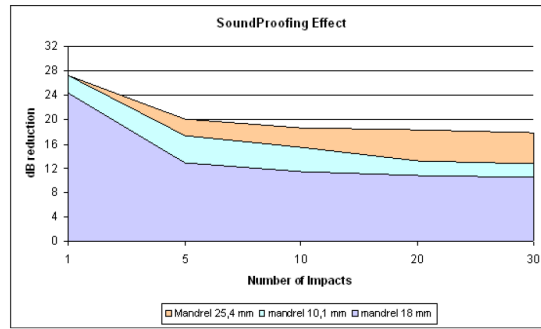
**WALL THICKNESS:** 2,0 mm

**EXPANSION RATIO:** 1 to 3 approx.

**ITS MAIN FEATURES ARE:**

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

# PERIFLEX NEPO



## PUT UP:

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

## HANDLING:

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

## 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.

## 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 test, 10 days at +175°C																											
Flammability	FMV SS302	Self-extinguishing.																											
Cold Resistance	Bending a low temperature. IEC 60684 - Part 2 Clause 14	No cracking after bending at -70°C																											
Noise Reduction	Comparison in noise generated by striking metallic mandrel inside sleeving 30 times successively against anvil and striking unprotected mandrel	See graph attached																											
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 -DOT5</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 -DOT5	---	Pass	Motor Oil - Elf Competition 15W50ST	---	Pass	Cold degreaser - Renault 20	---	Pass
		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 -DOT5	---	Pass																									
Motor Oil - Elf Competition 15W50ST	---	Pass																											
Cold degreaser - Renault 20	---	Pass																											

## DIMENSIONS:

Reference Black / Grey	Size Range (mm)			Standard Packaging (m)
	Minimum	Nominal	Maximum (*)	
E165055004	2	4	9	200
E245055006	2	6	14	200
E325055014	6	14	22	200
E445055018	10	18	32	100
E645055022	12	22	50	100
E125055050	30	50	90	50
E125055080	40	80	120	50

(\*) Maximum expansion ratio can be greater than value stated. This is minimum guaranteed expansion. As the inside diameter is coming closer to the maximum expansion, the sleeving shrinks in length.

NOTE: Other diameters supplied upon request