

PROTECTIVE SLEEVING

PERIFLEX N-SG

Sleeving for thermal, electrical, mechanical & EMI application

Applications

Mechanical and thermal protection of electrical conductors and other components. Due to its good thermal resistance this product could withstand higher working temperatures. Because of its expandability the product allows the assembly of jacket bunches and sets of wires of different diameters within the same sleeving and is very easy to mount.

Description

Braided sleeving made of monofilament polyamide, mainly meant for applications of mechanical protection and thermal protection. Its main characteristic consists in the special form of braiding, which allows increasing the inside diameter of the sleeving considerably, the sleeving at the same time contracting in length. Very tough and light weight structure.

4

Features & Benefits

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

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

Operating Temperature

- -40°C to +150°C

Monofilament Diameter

- 0.25 mm

Expansion Ratio

- 1 to 2 approx.

Specifications

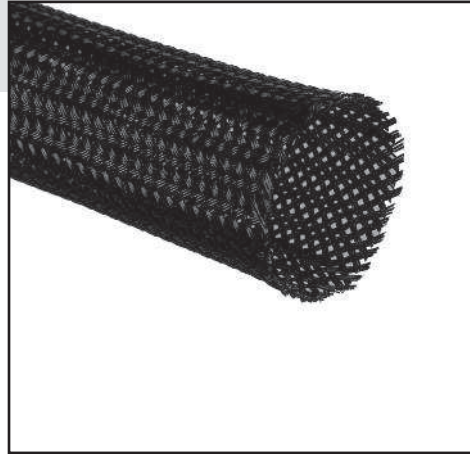
- IEC 60684 sheet 341
- UL 224

Put up

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

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.

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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		
Longitudinal Change	IEC 60684 – Part 2 Clause 9 4 hours at 175°C ±2°C	10% max.		
Flammability	UL 224 FMV SS302	Self-extinguishing type B		
Abrasion Resistance	0.45 mm dia piano wire abrader, 1 kg weight, 20 mm amplitude, 150 cycles/min.	Min. 500,000 cycles		
Cold Resistance	Bending at low temperature. IEC 60684 – Part 2 Clause 14	No cracking after bending at -40°C		
Chemical Resistance	Simulation of real operating conditions	In general good resistance to aggressive chemical agents.		
		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

4

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Dimensions

Reference	Size Range			N° of Ends/ Carrier	% Coverage Nominal Ø	Standard Packaging (m)
	Minimum	Nominal	Maximum*			
N242555S04	3	4	8.1	3	92	200
N402555S06	4	6	9.5	2	85	200
N402555S08	5	8	12	3	90.6	200
N482555S10	7	10	15	3	88.3	200
N482555S12	8	12	18	4	92.9	200
N482555S14	10	14	20	4	87.4	200
N722555S16	13	16	21	3	88.5	100
N802555S18	14.5	18	23.5	3	88.2	100
N802555S20	16	20	28	3	85	100
N722555S22	17	22	35	4	85.3	100
N642555S25	18	25	40	5	85	100
N812555S30	26	30	45	4	85	100
N122555S40	34	40	55	4	85	50
N122555S50	45	50	63	5	86	50
N122555S70	62	70	75	6	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.