

PROTECTIVE SLEEVING

PERIFLEX P-O SE

Thermal and electrical insulating sleeveings

Applications

Mechanical and thermal protection of electrical conductors and other components. Due to its good thermal resistance this product could withstands 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 flame-retardant polyester, 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.

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Features & Benefits

- Halogen free
- Very good abrasion resistance
- Good chemical resistance
- Self extinguishing
- Very tough and light weight structure
- Ideal for aerospace applications

Operating Temperature

- -50°C to +150°C

Monofilament Diameter

- 0.22 mm

Expansion Ratio

- 1 to 3 approx.

Specifications

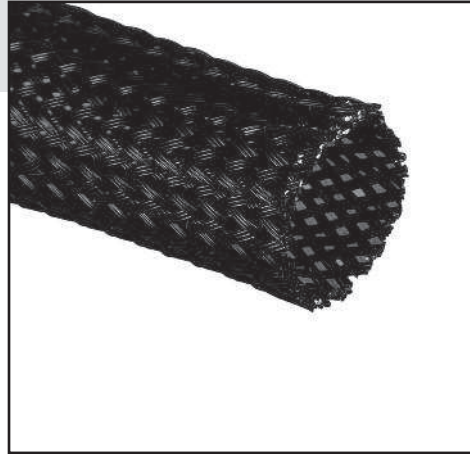
- IEC 60684
- UL 224
- FAR 25.853
- Airbus Dir.ABD 0031

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 simulation in our laboratory the conditions of many applications, in order to advise on the suitability of our products. As conditions and methods of used 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	FAR 25.853 Appendix F, Part 1 60s vertical bunsen burner AITM 2,0002 A	Pass		
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Smoke Density	FAR 25.853; AITM 2.0006	Pass		
Toxicity	ADB 0031; AITM 3.0005	Pass		
Abrasion Resistance	SAE ARP 1536 A	45.000 cycles minimum (Ø: 20 mm)		
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

Standard colours: black

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Dimensions

Reference	Size Range			N° of Ends	% Coverage Nominal Ø	Put up Quantity
	Minimum	Nominal	Maximum			
P32I055O03	3	2	6	1	59	200
P48I055O06	6	4	13	1	DNA	200
P48I055O12	12	7	24	3	71	100
P72I055O20	20	10	30	3	68	100
P80I055O25	25	14	40	3	65	100
P96I055O30	30	20	57	3	61	50
P12I055O40	40	22	70	3	DNA	50
P12I055O50	50	27	85	5	DNA	50

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Note: As the inside diameter is coming closer to the maximum expansion, the sleeving shrinks in length. On request we supply other diameters. DNA: Data Not Available