

 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 341
- FMVSS 302

APPLICATION:

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 made of PPS monofilament, 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.

OPERATING TEMPERATURE: -70°C to +200°C

MONOFILAMENT DIAMETER: 0,30 mm

EXPANSION RATIO: 1 to 1,6 approx.

ITS MAIN FEATURES ARE:

- Halogen free
- Good chemical resistance
- Very good abrasion resistance
- Self-extinguishing

PERIFLEX PPS

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.

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 +225°C		
Longitudinal Change	IEC 60684 - Part 2 Clause 9 4 hours at +175°C ±2°C	10% maximum		
Flammability	FMV SS302	Self-extinguishing. Flame extinguishes when source of ignition removed.		
Abrasion Resistance	0,45 mm dia piano wire abrader 1 kg weight 20 mm amplitude 150 cycles/min	Minimum 175.000 cycles		
Cold Resistance	Bending a low temperature. IEC 60684 - Part 2 Clause 14	No cracking after bending at -70°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 -DOT5	---	Pass
		Motor Oil - Elf Competition 15W50ST	---	Pass
		Cold degreaser - Renault 20	---	Pass

DIMENSIONS:

Reference	Size Range (mm)			Nº of Ends / Carrier	% Coverage Nominal Ø	Standard Packaging (m)
	Minimum	Nominal	Maximum (*)			
X4030__S06	5	6	10	2	89	200
X5630__S10	8	10	14	2	85	100
X6430__S12	10	12	18	2	83	100
X8030__S16	12	16	22	2	84	100
X9630__S25	22	25	30	2	65	100
X9630__S30	27	30	40	3	78	100
X1230__S50	47	50	80	4	DNA	50

DNA: Data not available

(*) 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: Standard Colour (___): 55 Black

Other diameters supplied upon request.