

PERIFLEX EMI



Braided sleeving composed of polyester monofilament and tin-copper wire mainly meant for applications of electromagnetic shielding and mechanical and thermal protection.

Material: Monofilament polyester and tin-copper wire.

Temperature: -70°C to +150°C.

Flammability: Self-extinguishing.

Expansion ratio: 1:2 approx. (depending on size).

Application:



EMI
Shielding



Flammability



Thermal
Protection

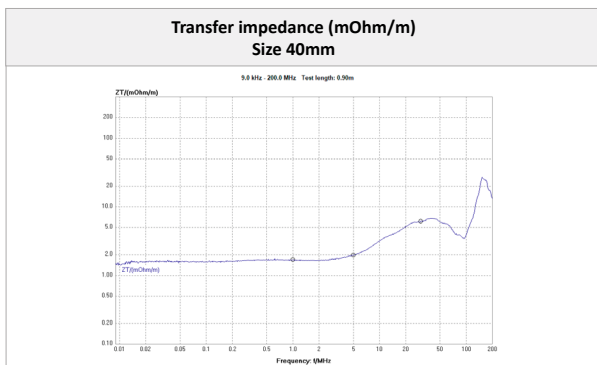
Standard Colour: Orange.



innovative covering solutions

TECHNICAL CHARACTERISTICS

Property	Test	Result
Ageing Resistance	10 days at +175°C 3000 h at +150°C	Good resistance to thermal overcharges. Maintains its properties after accelerated thermal ageing
Flammability	FMVSS 302	Self-extinguishing
DC Resistance	EN 3475-301	1.29mΩ/m (Φ 40mm)
Transfer impedance	IEC 62153-4-3	See graphic attached
Shielding Effectiveness	IEC 61000-4-21	See table attached
Cold Resistance	Bending a low temperature. IEC 60684- Part 2 Clause 14	No cracking after bending at -70°C
Longitudinal Change	IEC 60684- Part 2 Clause 9 4 hours at 175°C ± 2°C	10% maximum
Chemical Resistance	Simulation of real operating conditions	Compatible with engine compartment fluids



**Shielding Effectiveness (dB)
Size 40mm**

Reference	300 MHz	600 MHz	1 GHz
P250159S20	DNA	DNA	DNA
P250159S25	DNA	DNA	DNA
P250159S35	DNA	DNA	DNA
P250159S40	74.8	67.5	63.5
P250159S50	DNA	DNA	DNA

DIMENSIONS

Reference	Nominal Bore (mm)			Standard Packaging (m)
	Minimum	Nominal	Maximum (*)	
P250159S20	12	20	27	50
P250159S25	TBD	25	TBD	TBD
P250159S35	25	35	52	25
P250159S40	30	40	60	25
P250159S50	TBD	50	TBD	TBD

NOTE: (*) 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.

Other diameters supplied upon request. Colour tone may vary. This does not affect technical properties of sleeve.

DNA: Data not available

TBD: To Be Defined

PACKAGING

Coils
Cut lengths upon request

SPECIFICATIONS

IEC 60684
FMVSS 302
EN 3475-301
IEC 62153-4-3 IEC 61000-4-21

This information and data is believed to be accurate and reliable. Relats places 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. Relats reserves the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market. Material Safety Data Sheet available.