

TISA-TWIST® SW-FRHL3

ELECTRICAL AND THERMAL INSULATING SLEEVING **Rated to +125°C**

FEATURES AND ASSETS:

- **Quick and easy installation**
- **Self wrapping product**
- **Excellent abrasion resistance**
- **Zero-halogen**
- **Vibrations protection**
- **Impacts protection**
- **Lightweight**

TYPICAL APPLICATIONS:

- **Cables bundle protection**
- **Railway EN 45545-2**
- **Electronic industry**
- **Electrotechnic industry**

SPECIFICATIONS :

TISA-TWIST® SW-FRHL3 is a self-wrapping weaved sleeve made up of saturated flame retardant polyester multifilaments and monofilament. Working with this product is non aggressive for hands, and the smooth texture is pleasant to feel.

The self-wrapping treatment allows for **TISA-TWIST® SW-FRHL3** fast and easy sheath laying and taking up for assembly or maintenance.

The self-wrapping sheath is usually used when electrical harness is already done with its terminals and connectors.

Its shape makes it easy to install while taking up significant differences in cross sections, elbows, connections, etc.

TISA-TWIST® SW-FRHL3 can cover all diameters from 4 to over 38 mm. It is mainly used in railway industries for cables protection.

Supplied in coils or cut pieces*, **TISA-TWIST® SW-FRHL3** is an economic, efficient and aesthetic solution to protect your electrical cables.

*cut pieces minimum length : 100 mm

Standard colour : Black with white tracers

Assembly recommendation : **TISA-TWIST® SW-FRHL3** should be tied at intervals if continuous working temperature exceeds +110°C.



TISA-TWIST® SW-FRHL3

FEATURE	METHOD, STANDARD, REGULATIONS	VALUE	
Chemical nature of monofilament		Flame retardant Polyester	
Filaments dimensions		Warp : - 1100 dtex (1250 denier) multifilaments - Black + 2 white Stripes	Weft : - 0.22 / 0.254 mm monofilaments - Black
Melting point		+240°C	
Continuous working temperature		-50°C +125°C	
Flammability	FMVS S302	- Complies	
EN 45545-2 - HAZARD LEVEL CLASSIFICATION HL3			
Oxygen Index	IO (%)	R22 / R23	
Smoke Density at 25 KW.m ²	DS _{max}	R23	
Conventional Index of Toxicity	CIT _{NLP}	R22 / R23	
RoHS		Complies	
Environment	European regulations	Complies	

REFERENCES	USE *		CONSTRUCTION	STANDARD PACKAGING
	MIN (mm)	MAX (mm)	Nominal wall thickness (mm)	Spools (m)
SW-FRHL3 05	4	5	0,90	150
SW-FRHL3 08	5	8	0,90	100
SW-FRHL3 13	10	13	0,90	50
SW-FRHL3 19	16	19	0,90	25
SW-FRHL3 25	19	25	0,90	25
SW-FRHL3 29	25	29	0,90	15
SW-FRHL3 32	29	32	0,90	15
SW-FRHL3 38	32	38	0,90	15

* Recommended range of use

These references are those of our standard TISA-TWIST® SW-FRHL3 range. Please contact us for any other construction, parameter, material, packaging, colour, etc.



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