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ELECTRICAL AND THERMAL INSULATING SLEEVING

Т

Rated to +125°C

FR

TISA-TWIST[®] SW-FR is a self-wrapping weaved sleeve made up of saturated flame retardant polyester FEATURES AND ASSETS: multifilaments and monofilament. Working with this UL Recognized product is non aggressive for hands, and the smooth texture is pleasant to feel. UL file N° E174148 The self-wrapping treatment allows for TISA-TWIST® **Quick and easv** installation SW-FR fast and easy sheath laying and taking up for assembly or maintenance. Self wrapping product The self-wrapping sheath is usually used when Excellent abrasion electrical harness is already done with its terminals resistance and connectors. Non-halogen Its shape makes it easy to install while taking up Vibrations protection significant differences in cross sections, elbows, I Impacts protection connections, etc. Lightweight TISA-TWIST[®] SW-FR can cover all diameters from 4 to TYPICAL over 38 mm. It is mainly used in railway industries for APPLICATIONS: cables protection. Cables bundle protec-Supplied in coils or cut pieces*, TISA-TWIST® SW-FR is tion an economic, efficient and esthetic solution to protect Railway your electrical cables. Electronic industry *cut pieces minimum length : 100 mm Electrotechnic industrv Standard colour : Black with white tracer Assembly recommendation : TISA-TWIST® SW-FR should be tied at intervals if continuous working temperature exceeds +110°C.

SPECIFICATIONS :

TISA-TWIST SW-FR

FEATURE	METHOD, STANDARD, REGULATIONS	VALUE	
Chemical nature of monofilament		Flame retardar	t Polyester
Filaments dimension		Warp : - 1100 dtex (1250 denier) multifilaments - Black + 2 white Stripes	Weft : - 0.22 / 0.254 mm monofilaments - Black
Finishing		Heat tre	ated
Melting point		+240°C	
Continuous working temperature		-50°C +125°C	
Flammability	- FMVS S302 - D45-1333 - PSA STE 96 230 915 99	- Complies - Self extinguishing type B - T3 (-40°C. +125°C)	
Abrasion resistance	- PSA D44 1722 - ISO 6722	R8	
Toxicity and harm from smoke - smoke opacity - Oxygen index - «I» and «F» classifications	- NFX 10-702-1 10-702-2 - NF-ISO 4589-2 - NF F 16-101 16-102	- Pass - Smoke Index : 12 - 36.1% - 12-F1	
Dielectric strength		> 1kVAC	
RoHS		Compl	ies
Environment	European regulations	Compl	ies
Electrical	Dielectric strength	From 1k	VAC

REFERENCES	USE *		CONSTRUCTION		STANDARD Packaging
	MIN (mm)	MAX (mm)			Spools (m)
SW-FR 05	4	5	0,90	10,25	150
SW-FR 08	5	8	0,90	13,30	100
SW-FR 13	10	13	0,90	21,20	50
SW-FR 16	13	16	0,90	25	50
SW-FR 19	16	19	0,90	28,70	25
SW-FR 25	19	25	0,90	42,20	25
SW-FR 29	25	29	0,90	44	15
SW-FR 32	29	32	0,90	48,10	15
SW-FR 38	32	38	0,90	58	15
SW-FR 50	38	50	0,90	93	15

* + Recommended range of use + +

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



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