

Fiche produits / Product description

TISA-FLEX® TCS

MECHANICAL PROTECTION

-50°C +150°C

FEATURES AND ASSETS:

- **Expandable tubular sleeving**
- **Abrasion resistance**
- **Cutting resistance**
- **Auto-extinguishing and halogen-free**
- **Lightweight**
- **Recyclable**
- **Avoids condensation and mould**
- **Enhances heat evacuation**

TYPICAL APPLICATIONS:

- **Automotive hoses**
- **Cable bundles**

SPECIFICATIONS :

TISA-FLEX® TCS is a flexible, expandable sleeving that is both lightweight and strong. The **TISA-FLEX® TCS** dense braided structure made of polyester monofilament is specially designed for abrasion protection of automotive hoses and cable bundles located in the engine compartment.



Easily installed thanks to its expanding diameter capacity (approximately 1 to 2) enabling significant differences in cross sections, elbows, connections, etc to be overcome without kinks or flattening.

Easy cutting to length by hot cutting.

Thanks to its expandable capacity **TISA-FLEX® TCS** can cover a whole range of diameters with a limited number of references.

Supplied in rolls or cut to length, **TISA-FLEX® TCS** is the rational and esthetic solution to protect your hoses or cable bundles.



TRESSE
INDUSTRIE



TISA-FLEX® TCS

FEATURE	METHOD, STANDARD, REGULATIONS	VALUE
Chemical nature of monofilament		PET polyethylene terephthalate CAS N°: 25038-59-9
Melting point		250°C
Continuous operating temperature		from - 50 to +150°C
Peak temperature		175°C
Abrasion resistance, friction resistance	Renault D44 1959	No significant damage in compliance with method
Resistance to automotive fluids	Renault D47 1924/A	No significant damage in compliance with method
Thermal ageing		In compliance with automotive specifications, resistance > 1000 h at 150 °C
Flammability	- Renault D45 1333 and FMVSS 302 - FAR 25-853 - NF G 07-128 (or ISO 4589 1 & 2) - NF EN 60695-2 - UL 94	- Compliant - Compliant at 12 s (vertical) and at 15 s (horizontal) - Oxygen index: 30.8 % - Class I2 - Raw material classed V2
Smoke toxicity	NF X 10-702 / NF X 70-100	Class F1. No release of halogen compounds on combustion
Emissivity of materials	VW 50180 (PV 3015, PV 3341, PV 3925, PV 3900)	Compliant for use in interior
RoHS	Directive 2002/95/EC	Compliant
Environment		Compliant Classed non-ecotoxic for the environment but biodegradable with difficulty

REFERENCES		USE **		CONSTRUCTION		STANDARD PACKAGING ***	
GREY	BLACK	MIN (mm.)	MAX (mm.)	Number of wires	Weight g/100m*	Coil (m.)	Roll (m.)
TG03	TN03	1	5	60	395	100	1000
TG04	TN04	2	7	72	445	100	1000
TG05	TN05	3	9	84	515	100	500
TG06	TN06	4	11	96	580	100	400
TG08	TN08	5	12	120	770	100	300
TG10	TN10	7	15	144	900	100	300
TG12	TN12	8	17	168	1010	50	300
TG15	TN15	10	20	192	1230	50	300
TG20	TN20	14	26	216	1400	25	200
TG25	TN25	18	34	288	1720	25	200
TG30	TN30	20	40	360	2160	25	150
TG40	TN40	30	50	480	2870	25	100
TG50	TN50	40	66	600	3960	25	100

* Weight as guidance for 100 mm.

** Recommended range of use

*** Coils: Sleeving packed in coil, attached with ties, covered with plastic film.
Rolls: sleeving packed in rolls, covered with plastic film.



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