



SYSTEM PROTECTION

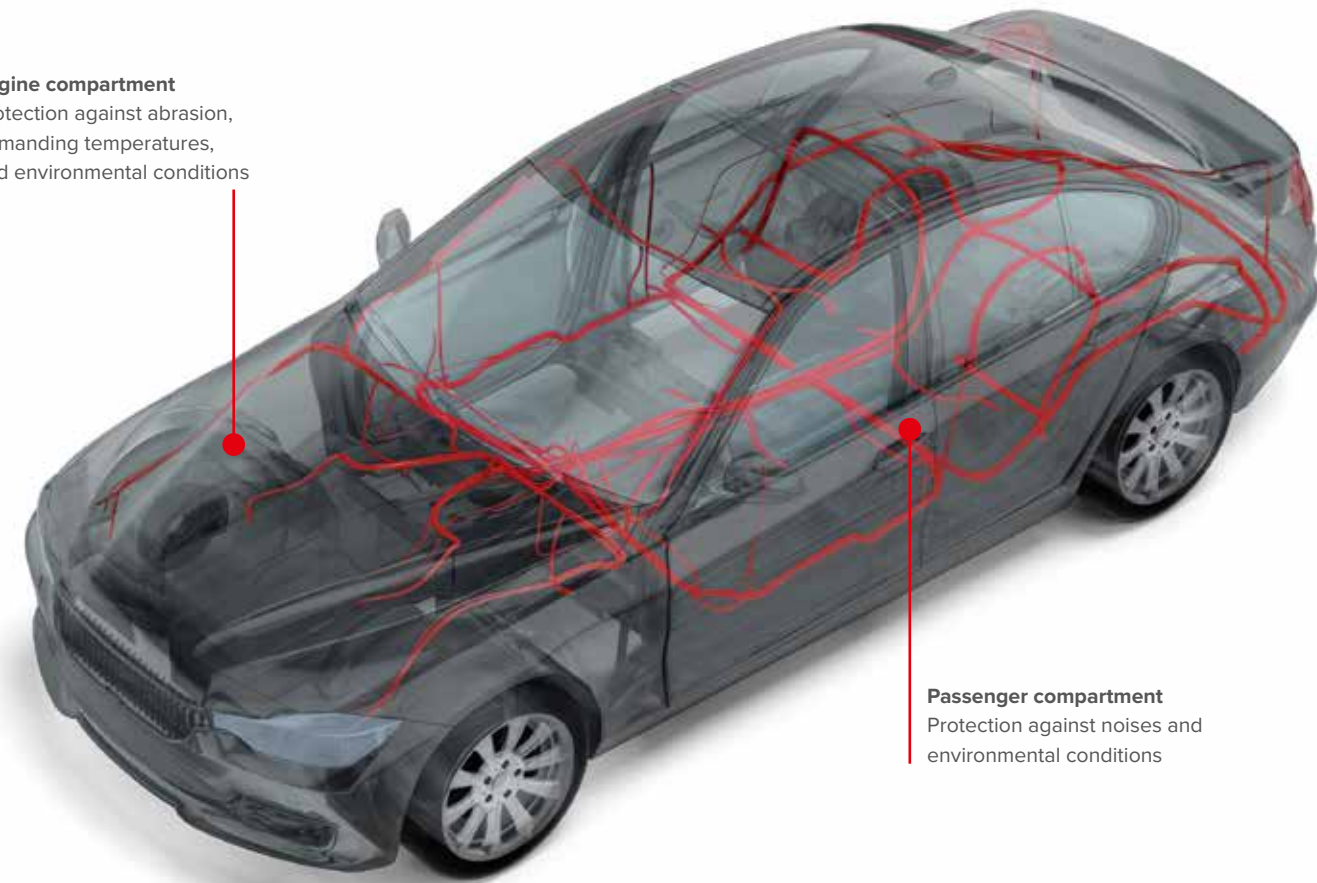
Wire Harnessing Solutions for the Automotive Industry

RELIABLE QUALITY

Quality Innovations for Electrical Distribution Systems

We offer an extensive range of wire harnessing tape solutions made of **cloth, fleece, and filmic** backings combined with high-quality adhesives. Harness coverings need to securely bundle harnesses and withstand demanding temperatures and environmental conditions. Products for the engine compartment have to be highly resistant to abrasion, while in the passenger compartment, tapes are applied to reduce noises. All tesa Sleeve® solutions ensure **maximum harness flexibility** and allow for **easy and efficient installation** in the car body.

Engine compartment
Protection against abrasion, demanding temperatures, and environmental conditions



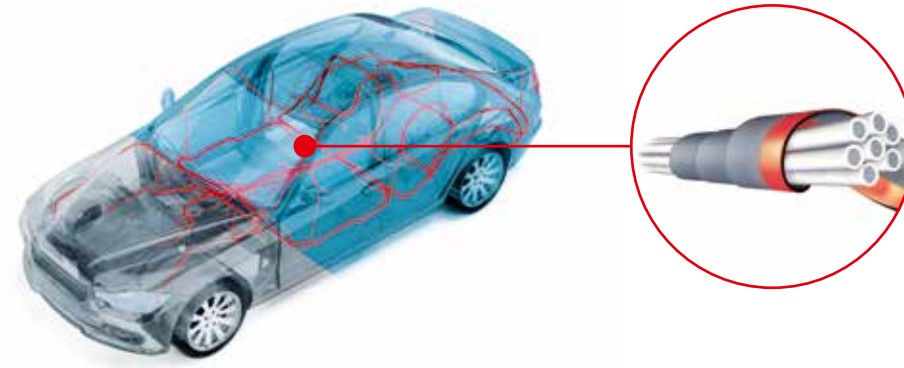
Passenger compartment
Protection against noises and environmental conditions

Features of our wire harnessing solutions

- Secure bundling for automotive temperature requirements
- Wire protection against abrasion
- Offer basic and high noise damping
- Can withstand environmental influences
- tesa Sleeve® solutions for enhanced harness flexibility
- Broad range of OEM and TIER 1 approvals



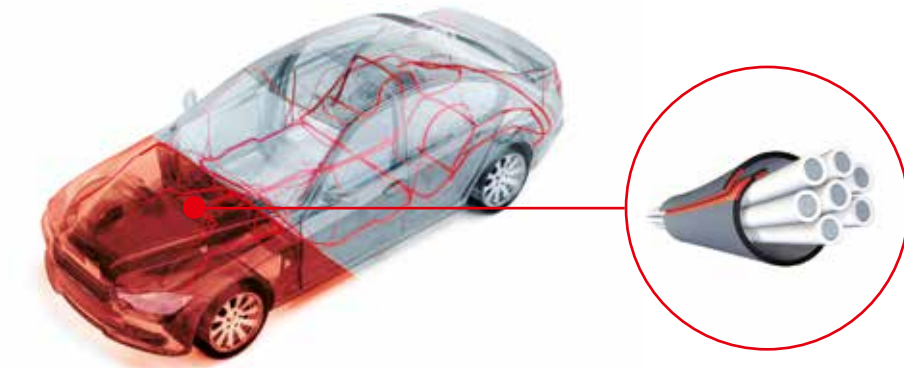
Passenger compartment



	Product	Backing	Temperature resistance (°C/3,000 h)	Noise damping	Abrasion resistance 5 mm/10 mm mandrel	Total thickness (µm)	
Noise damping							
Medium	tesa® 51608/51609**	PET fleece	105	C	A/B	280	
	tesa® 51618/51619**	PET fleece	105	C	A/B	250	
	tesa® 51628	PET fleece	125	C	A/B	270	
Enhanced flexibility	tesa Sleeve® 51608 PV9	PET fleece	105	C	A/A	210	
	tesa Sleeve® 51608 PV8	PET fleece	105	C	A/A	210	
High	tesa® 51616	PET fleece	105	D	C/D	650	
	tesa® 51606	PET fleece	105	D	D/D	800	
	tesa® 51626	PA velour	105	E	D/E	1,000	
Enhanced flexibility	tesa Supersleeve® 51608 PV6	PET fleece	105	D	B/B	560	
	tesa® Spiralsleeve 51618 PV5	PET fleece	105	D	B/B	580	
Abrasion protection							
Medium	Enhanced flexibility	tesa Sleeve® 51036 PV9*	PET cloth	150	A	B/C	220
		tesa Sleeve® 51026 PV9	PET cloth	150	A	B/C	220
High		tesa triple A® 51036*	PET cloth	150	A	D/D	260
		tesa® 51026	PET cloth	150	A	D/D	260
		tesa® 51032	PET cloth	105	A	B/D	260
Enhanced flexibility		tesa Supersleeve® 51036 PV7	PET cloth	150	B	D/E	485
		tesa Supersleeve® 51036 PV6*	PET cloth	150	B	D/E	530
		tesa Supersleeve® 51026 PV6	PET cloth	150	B	D/E	530
		tesa® Spiralsleeve 51026 PV5	PET cloth	150	B	D/E	530
Basic bundling							
Low tensile strength		tesa® 4182 PV2	PVC film	105	A	A/A	104
		tesa® 4173 PV2	PVC film	105	A	A/A	126
		tesa® 62309	Halogen-free PE film	125	A	A/A	95
High tensile strength		tesa® 51025 PV10	PET cloth	125	A	A/B	160

* available in black or orange
** for automated applicators

Engine compartment



	Product	Backing	Temperature resistance (°C/3,000 h)	Noise damping	Abrasion resistance 5 mm/10 mm mandrel	Total thickness (µm)	
Abrasion protection							
Medium	Enhanced flexibility	tesa Sleeve® 51036 PV9*	PET cloth	150	A	B/C	220
		tesa Sleeve® 51026 PV9	PET cloth	150	A	B/C	220
High		tesa triple A® 51036*	PET cloth	150	A	D/D	260
		tesa® 51026	PET cloth	150	A	D/D	260
		tesa® 51006	PET cloth	150	A	B/C	260
Enhanced flexibility		tesa Supersleeve® 51036 PV7	PET cloth	150	B	D/E	485
		tesa Supersleeve® 51036 PV6*	PET cloth	150	B	D/E	530
		tesa Supersleeve® 51026 PV6	PET cloth	150	B	D/E	530
		tesa® Spiralsleeve 51026 PV5	PET cloth	150	B	D/E	530
Noise damping							
Medium		tesa® 51628	PET fleece	125	C	A/B	270
Basic bundling							
Low tensile strength		tesa® 62309	Halogen-free PE film	125	A	A/A	95
High tensile strength		tesa® 51025 PV10	PET cloth	125	A	A/B	160
Heat reflection							
High	Enhanced flexibility	tesa® 68000 PV1	Aluminium-laminated glass cloth	150 (232°C/168 h)	B	A/A	210
		tesa® 68000 PV17	Aluminium-laminated glass cloth	150 (232°C/168 h)	C	A/A	450

* available in black or orange

LV312 classification

Noise damping	Class	A	B	C	D	E
	Requirement dB (A)	0 to ≤2	>2 to ≤5	>5 to ≤10	>10 to ≤15	>15
Abrasion resistance	Class	A	B	C	D	E
	Resistance	no	little	medium	high	very high
	Number of strokes	<100	100-499	500-999	1000-4999	≥5000

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. The user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



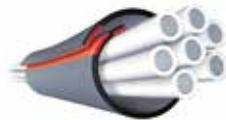
tesa Sleeve® assortment

- Higher flexibility of the harness compared to tapes or tubes
- Weight savings and reduction of harness diameter
- Available with customized perforation for most product versions



tesa® Spiralsleeve PV5

- Combines the well-known spiral application of tapes with the flexibility of sleeves
- Adhesive-to-adhesive closure guarantees secure bonding



tesa Supersleeve® PV6

- High noise damping and/or abrasion resistance due to double-layer product design
- Adhesive-to-adhesive closure guarantees secure bonding



tesa Supersleeve® PV7

- High abrasion resistance due to double-layer product design
- Also suitable for small-diameter harness branches



tesa Sleeve® PV8

- Superior flexibility
- No adhesive contact to wires
- Adhesive-to-adhesive closure guarantees secure bonding



tesa Sleeve® PV9

- Superior flexibility
- Cost-efficient sleeve version due to single-layer product design



Our management system is certified according to the standards ISO 9001, ISO/TS 16949, and ISO 14001. All our products delivered to automotive customers are listed in the International Material Data System (IMDS).

tesa SE

Phone: +49 40 88899 0
tesa.com/company/locations

**tesa tape Inc. -
Automotive Solution Center**
Phone: +1 248 699 0901
tesatape.com

tesa tape (Shanghai) Co., Ltd.
Phone: +86 21 68183110
tesa.cn

tesa tape K.K.

Phone: +81 3 6833 2300
tesa.jp

tesa Brasil Ltda.
Phone: +55 11 4872 7800
tesatape.com.br

tesa Tapes (India) Pvt. Ltd.
Phone: +91 22 4741 9200
tesa.in

Europe/Africa

wireharnesseurope@tesa.com

Asia

wireharnessasia@tesa.com

North and South America

wireharnessamericas@tesa.com