



SYSTEMS PROTECTION

Wire Harnessing Solutions for the Automotive Industry

SYSTEMS PROTECTION

tesa® Wire Harness Solutions



tesa® 51025



- Polyester (PET) Cloth Tape
- Rubber-based adhesive
- 125°C/3000 hours (T3*)
- Abrasion resistance B*
- Hand tearable

tesa® 51036



- Polyester (PET) Cloth Tape
- Advanced acrylic adhesive
- Non-flagging
- 150°C/3000 hours (T4*)
- Abrasion resistance D/D**
- Also available in orange

tesa® 51036 PV9



- Single-layer Polyester (PET) Cloth Sleeve
- Advanced acrylic adhesive
- 150°C/3000 hours
- Abrasion resistance C/B**

tesa® 51036 PV6



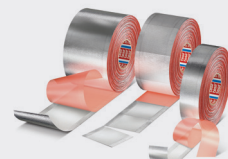
- Double-layer Polyester (PET) Cloth Sleeve
- 150°C/3000 hours (T4*)
- Abrasion resistance E/D**
- Also available in orange

tesa® 51036 PV7



- Double-layer Polyester (PET) Cloth Sleeve
- Advanced acrylic adhesive
- 150°C/3000 hours
- Abrasion resistance E/D*

tesa® 68000 PV17



- tesa Reflective Sleeve
- 232°C/168 hours
- Radiant heat protection

tesa® 51616



- Polyester (PET) Fleece Tape
- 105°C/3000 hours (T2*)
- Abrasion resistance D/C**
- Noise damping D*

tesa® 51618



- Polyester (PET) Fleece Tape
- 105°C/3000 hours (T2*)
- Noise damping C*

tesa® 51608 PV6



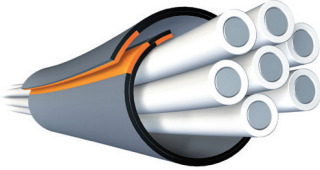
- Double-layer Polyester (PET) Fleece Sleeve
- 105°C/3000 hours
- Abrasion resistance B/B**
- Noise damping D*

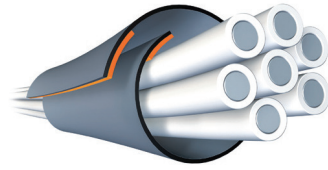
*Classified per LV312 specification 10mm mandrel **Abrasion class acc. to ISO 6722 10mm / 5mm mandrel

SLEEVE SOLUTIONS

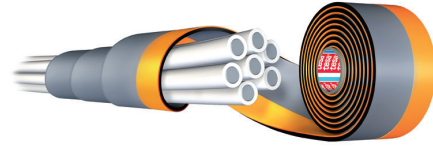
Simplified Sleeve Solutions for Enhanced Flexibility

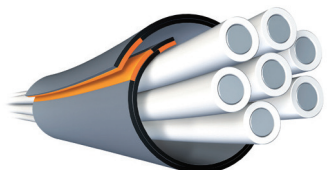
Recommendations for Selecting Sleeve Width Based on Harness Diameter

tesa® Supersleeve 51036 PV6 	Harness Dia. [mm]	Sleeve Width [mm]
	<12	67
	12 - 16	85
	16 - 19	100
	19 - 24	115
	24 - 29	130
	29 - 33	145
	33 - 38	160
High abrasion resistance due to double layer design	38 - 45	180
	45 - 49	195

tesa® Supersleeve 51036 PV7 	Harness Dia. [mm]	Sleeve Width [mm]
	<10	50
	11 - 20	95
	21 - 30	140
	31 - 40	190
	41 - 50	230
	–	–
	–	–
High abrasion resistance due to double layer design	–	–
	–	–

tesa® Sleeve 51036 PV9 	Harness Dia. [mm]	Sleeve Width [mm]
	<13	68
	13 - 16	78
	16 - 23	100
	23 - 33	130
	33 - 41	155
	41 - 54	195
	–	–
Abrasion protection, cost efficiency, and flexibility due to single layer design	–	–
	–	–

tesa® Sleeve 51026 PV5 	Harness Dia. [mm]	Sleeve Width [mm]
	10 - 30	45
	>30	59
	–	–
	–	–
	–	–
	–	–
	–	–
Abrasion protection and spiral application	–	–
	–	–

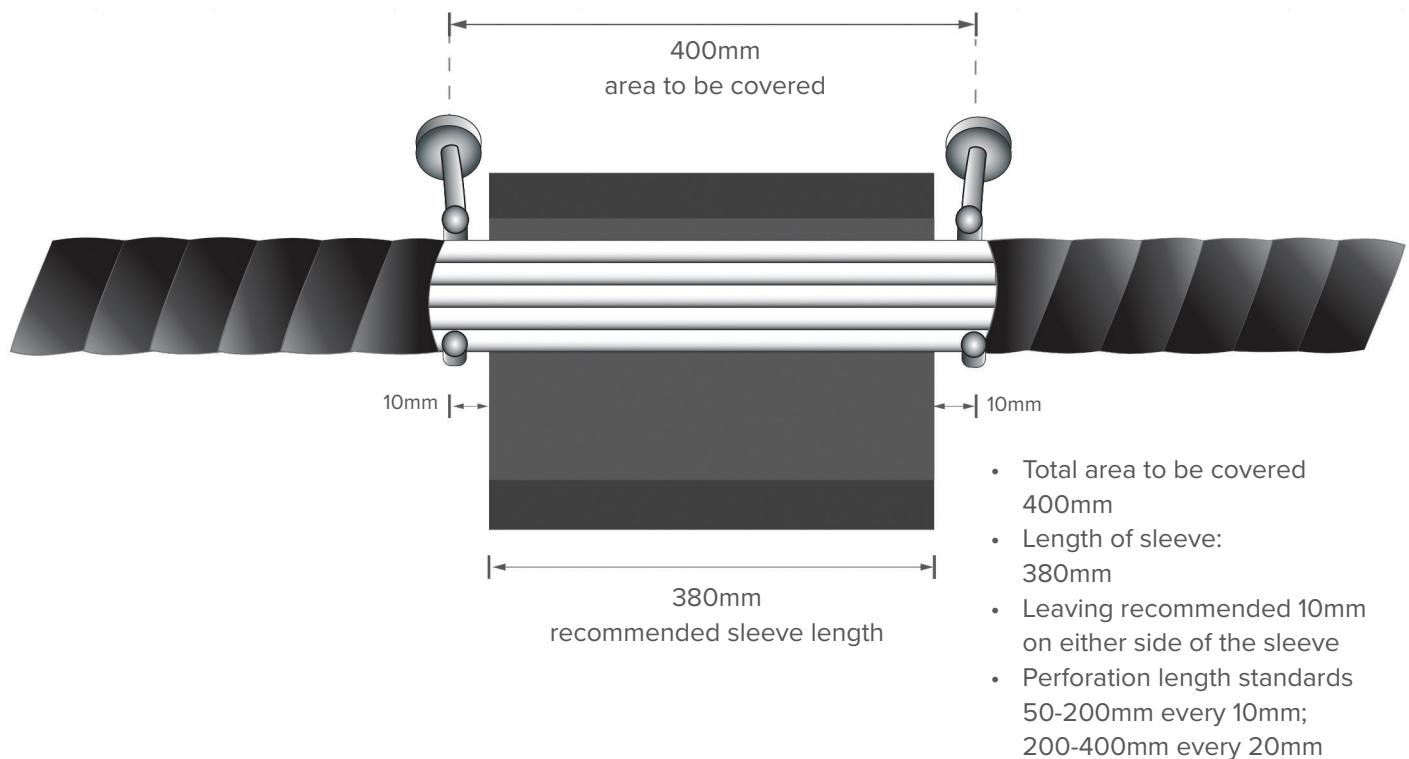
tesa® Supersleeve 51608 PV6 	Harness Dia. [mm]	Sleeve Width [mm]
	<12	67
	12 - 16	85
	16 - 19	100
	19 - 24	115
	24 - 29	130
	29 - 33	145
	33 - 38	160
High noise damping due to double layer design	38 - 45	180
	45 - 49	195

tesa® Sleeve 68000 PV17 	Harness Dia. [mm]	Sleeve Width [mm]
	<10	50
	10 - 15	68
	16 - 19	80
	20 - 25	100
	26 - 35	130
	36 - 43	160
	–	–
Aluminum laminated glass cloth for radiant heat reflection	–	–
	–	–

Recommendations for Selecting Perforation Length Based on Harness Dimension

- 10mm of space should be left between the sleeve and the start of the branch or forks
- Spot wrapping should be used on either side of the sleeve to cover the remaining exposed wire
- Sleeve perforation is available in increments of 10mm

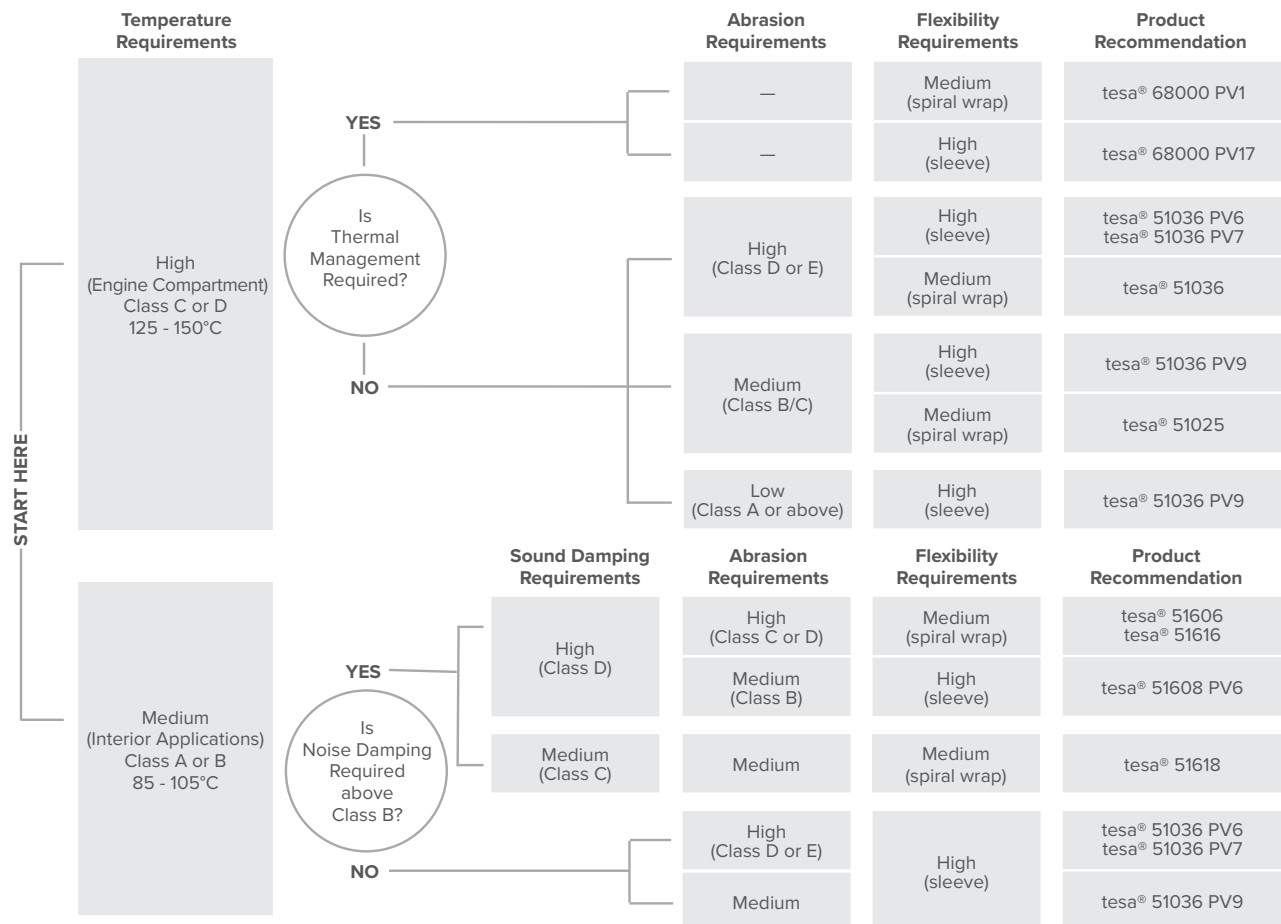
Example:



WIRE HARNESSING

Choosing the Right tesa® Wire Harness Product for Your Application

tesa tape is recognized as an industry leader in wire and cable management systems. The impressive tesa portfolio includes adhesive tape and sleeve products designed for abrasion protection, sound damping, thermal management, and flexible cable harnessing throughout the vehicle. The following product selection guide can be used as a reference for choosing the appropriate tesa product for your application.



PRODUCT INFORMATION

tesa® 51025

Hand tearable polyester cloth wire harness tape for abrasion protection and temperature resistance to 125°C.

tesa® 51025 is the cost efficient solution for abrasion and high temperature areas on the cable harness in the engine and passenger compartment.

Features:

- hand tearable
- abrasion resistant
- temperature resistance 125°C/3000 hours
- oil and fuel resistant
- flame retardant
- resistant to aging
- rot-proof
- strong adhesion
- flexible and smooth



Product Overview

Technical Data	Backing Material:	Polyester (PET) Cloth	Tensile Strength:	80 N/cm
	Type of Adhesive :	Rubber	Unwind Force (roll width ≤ 9mm):	8 N/roll (30 m/min)
	Total Thickness:	160 µm	Unwind Force (roll width > 9mm):	8 N/roll (30 m/min)
	Adhesion to Steel:	6.5 N/cm	Abrasion Resistance: (strokes): 5mm Mandrel	Class A (per LV312)
	Elongation at Break:	25%	Abrasion Resistance: (strokes) 10mm Mandrel	Class B (per LV312)
	Temperature Resistance:	125°C/3000h	—	
Main Application	tesa® 51025 is designed for wire harnessing in the passenger and engine compartment.			

PRODUCT INFORMATION

tesa® 51036 PV0

Polyester cloth wire harness tape for high abrasion protection

tesa® 51036 is a polyester cloth wire harness tape with an advanced acrylic adhesive (Triple A®).

Features:

- flag resistant
- high temperature resistance 150°C/3000 hours
- high abrasion resistance
- available in black and orange



Product Overview

Technical Data	Backing Material:	Polyester (PET) Cloth	Temperature Resistance:	150°C/3000h
	Type of Adhesive :	Advanced Acrylic	Tensile Strength:	275 N/cm
	Total Thickness:	260 µm	Unwind Force (roll width > 9mm):	11 N/roll (30m/min)
	Adhesion to Steel:	5 N/cm	Abrasion Resistance: (strokes) 10mm Mandrel	Class D (per LV312)
	Elongation at Break:	40%	Noise Damping:	Class A (per LV312)
Main Application	tesa® 51036 is designed for the engine compartment, providing high abrasion protection.			

PRODUCT INFORMATION

tesa® 51036 PV2

(Global Version)

Polyester cloth wire harness tape for high abrasion protection

tesa® 51036 is a polyester cloth wire harness tape with an advanced acrylic adhesive (Triple A®).

Features:

- flag resistant
- high temperature resistance 150°C/3000 hours
- high abrasion resistance
- available in black



Product Overview

Technical Data	Backing Material:	Polyester (PET) Cloth	Temperature Resistance:	150°C/3000h
	Type of Adhesive :	Advanced Acrylic	Tensile Strength:	275 N/cm
	Total Thickness:	260 µm	Unwind Force (roll width > 9):	5 N/roll (30m/min)
	Adhesion to Steel:	3 N/cm	Abrasion Resistance: (strokes) 10mm Mandrel	Class D (per LV312)
	Elongation at Break:	40%	Noise Damping:	Class A (per LV312)
Main Application	tesa® 51036 is designed for the engine compartment, providing high abrasion protection.			

PRODUCT INFORMATION

tesa® 51616

Thick polyester fleece wire harness tape for high noise damping

tesa® 51616 is a cost efficient harness solution providing excellent noise reduction and high abrasion resistance. It is optimized for manual application on wire harnesses.

Features:

- hand tearable
- high sound damping
- temperature resistance 105°C/3000 hours
- rot-proof
- strong adhesion
- flexible and smooth
- resistant to aging
- high abrasion resistance
- available in black



Product Overview

Technical Data	Backing Material:	Polyester (PET) Fleece	Temperature Resistance:	105°C/3000h
	Type of Adhesive :	Rubber Based	Unwind Force (roll width ≤ 9mm):	12 N/roll (30m/min)
	Total Thickness:	650 µm	Unwind Force (roll width > 9mm):	12 N/roll (30m/min)
	Adhesion to Steel:	3 N/cm	Abrasion Resistance: (strokes) 5mm Mandrel	Class C (per LV312)
	Elongation at Break:	50%	Abrasion Resistance: (strokes) 10mm Mandrel	Class D (per LV312)
	Tensile Strength:	30 N/cm	Noise Damping:	Class D (per LV312)
Main Application	tesa® 51616 is designed for the passenger compartment, providing high noise damping..			

PRODUCT INFORMATION

tesa® 51618

Polyester fleece wire harness tape for the passenger compartment

tesa® 51618 is the universal tape for wire harness bundling in the passenger compartment. It combines important features such as noise damping, abrasion resistance, and bundling strength, while keeping harnesses flexible.

Features:

- noise damping
- abrasion resistant
- flexible and smooth
- resistant to aging
- strong adhesion
- hand tearable
- available in black



Product Overview

Technical Data	Backing Material:	Polyester (PET) Fleece	Temperature Resistance:	105°C/3000h
	Type of Adhesive :	Rubber Based	Unwind Force (roll width ≤ 9mm):	4.6 N/roll (30m/min)
	Total Thickness:	250 µm	Unwind Force (roll width > 9mm):	9 N/roll (30m/min)
	Adhesion to Steel:	3 N/cm	Abrasion Resistance: (strokes) 5mm Mandrel	Class A (per LV312)
	Elongation at Break:	20%	Abrasion Resistance: (strokes) 10mm Mandrel	Class B (per LV312)
	Tensile Strength:	37 N/cm	Noise Damping:	Class C (per LV312)
Main Application	tesa® 51618 is designed for the passenger compartment, providing flexibility and noise damping..			

PRODUCT INFORMATION

tesa Sleeve® 51036 PV7

Double-layer PET cloth sleeve for high abrasion protection and enhanced flexibility

tesa Sleeve® 51036 PV7 is a PET cloth coated at the edges with an advanced acrylic adhesive (Triple A®) for lengthwise application.

Features:

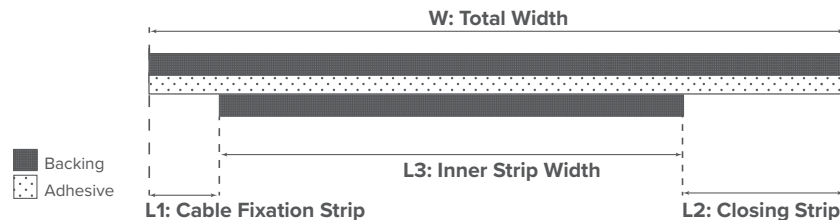
- exceptionally high abrasion resistance - Class E
- high temperature resistance 150°C/3000 hours
- high flexibility
- easy lengthwise application
- minimal adhesive contact to wires
- suitable for small “pig tail” harnesses
- available in black



Product Overview

Technical Data	Backing Material:	Polyester (PET) Cloth	Temperature Resistance:	150°C/3000h
	Type of Adhesive :	Advanced Acrylic	Abrasion Resistance: (Strokes) 5mm Mandrel	Class D (per LV312)
	Total Thickness:	485 µm	Abrasion Resistance: (Strokes) 10mm Mandrel	Class E (per LV312)
	Adhesion to Steel:	5.5 N/cm		—
Additional Information	Length: 50m		Widths: 50, 95, 140, 190, 230mm	
	Available with Perforations*		Inner Core Diameter: 76mm	

Product Drawing



Application Recommendation	Harness Diameter:	Total Width (recommendation)
	< 10mm	50mm
	11mm - 20mm	95mm
	21mm - 30mm	140mm
	31mm - 40mm	190mm
	41mm - 50mm	230mm

* The length of a tesa® Sleeve can be perforated as follows:

- Minimum perforation length is 50mm.
- A sleeve length between 50mm and 200mm can be perforated in 10mm increments.
- A sleeve length between 200mm and 500mm can be perforated in 20mm increments.
- A required sleeve length >500m is not recommended, therefore, the perforation length must be split in two.
(Example: A 600mm required length = 300mm perforation increments)

PRODUCT INFORMATION

tesa Sleeve® 51036 PV9

Polyester cloth sleeve for enhanced flexibility

tesa Sleeve® 51036 PV9 is a polyester (PET) cloth coated at the edges with an advanced acrylic adhesive (Triple A®) for lengthwise application.

Features:

- high temperature resistance 150°C/3000 hours
- high flexibility
- abrasion resistant
- easy and efficient lengthwise application
- available in black and orange



Product Overview

Technical Data	Backing Material:	Polyester (PET) Cloth	Temperature Resistance:	150°C/3000h
	Type of Adhesive :	Advanced Acrylic	Abrasion Resistance: (Strokes) 5mm Mandrel	Class B (per LV312)
	Total Thickness:	220 µm	Abrasion Resistance: (Strokes) 10mm Mandrel	Class C (per LV312)
	Adhesion to Steel:	5 N/cm	Noise Damping	Class A (per LV312)
Additional Information	Length: 50m		Widths - 68, 78, 100, 130, 155, 195mm	
	Available with Perforations*		Inner Core Diameter: 76mm	

Product Drawing



Application Recommendation	Harness Diameter:	Total Width (recommendation)
	< 13mm	68mm
	13mm - 16mm	78mm
	16mm - 23mm	100mm
	23mm - 33mm	130mm
	33mm - 41mm	155mm
	41mm - 54mm	195mm

* The length of a tesa® Sleeve can be perforated as follows:

- Minimum perforation length is 50mm.
- A sleeve length between 50mm and 200mm can be perforated in 10mm increments.
- A sleeve length between 200mm and 500mm can be perforated in 20mm increments.
- A required sleeve length >500m is not recommended, therefore, the perforation length must be split in two.
(Example: A 600mm required length = 300mm perforation increments)

PRODUCT INFORMATION

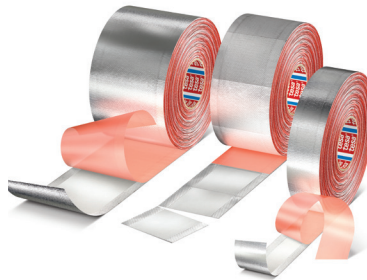
tesa Sleeve® 68000 PV17

Aluminum-laminated glass cloth sleeve for radiant heat protection and enhanced harness flexibility

tesa® 68000 PV17 is a unique heat reflective sleeve, specially designed for critical component protection. tesa®68000 PV17 features two acrylic adhesive strips on either side of a strip of polyester (PET) fleece material. For lengthwise application.

Features:

- superior radiant heat reflection
- high temperature resistance
- 232°C for 168 hours
- high flexibility
- easy lengthwise application



Product Overview

Technical Data	Backing Material:	Aluminum-Laminated Glass Cloth	Adhesion to Steel:	4.5 N/cm
	Inner Layer:	Polyester (PET) Fleece	Tensile Strength:	270 N/cm
	Type of Adhesive:	Acrylic	Elongation at Break:	4%
	Thickness (w/o Liner):	450 µm	Thermal Resistance:	232°C/168h 150°C/3000h
Additional Information	Length: 50m		Width - 50, 68, 80, 100, 130, 160mm	
	Kiss-Cut - on request		Inner Core Diameter: 76mm	
	Available with Perforations*		—	
Product Drawing	■ Backing Material ▤ Solvent Free Adhesive ■ Inner Layer  Total Width			
Application Recommendation	Harness Diameter:		Total Width (recommendation)	
	< 10mm		50 +/- 3.0	
	10mm - 15mm		68 +/- 3.0	
	16mm - 19mm		80 +/- 3.0	
	20mm - 25mm		100 +/- 3.0	
	26mm - 35mm		130 +/- 3.0	
	36mm - 43mm		160 +/- 3.0	

* The length of a tesa® Sleeve can be perforated as follows:

- Minimum perforation length is 50mm.
- A sleeve length between 50mm and 200mm can be perforated in 10mm increments.
- A sleeve length between 200mm and 500mm can be perforated in 20mm increments.
- A required sleeve length >500m is not recommended, therefore, the perforation length must be split in two.
(Example: A 600mm required length = 300mm perforation increments)

PRODUCT INFORMATION

tesa Supersleeve® 51036 PV6

Polyester cloth sleeve for high abrasion protection and enhanced flexibility of wire harnesses

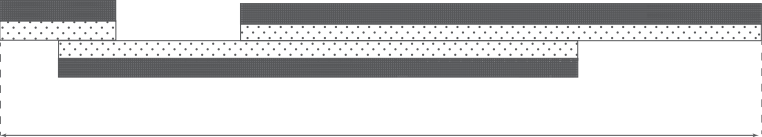
tesa Supersleeve® 51036 PV6 is a double-layer polyester (PET) cloth with an acrylic adhesive-coated edge for lengthwise application. It is designed for engine compartment wire harnessing providing excellent abrasion protection, temperature resistance, and flexibility. The unique adhesive-to-adhesive closure system guarantees secure bonding without additional spot wraps.

Features:

- superior abrasion protection
- high flexibility and conformability
- high temperature resistance
- easy and efficient lengthwise applications
- can be perforated to length
- available in black and orange



Product Overview

Technical Data	Backing Material:	Polyester (PET) Cloth	Temperature Resistance:	150°C/3000
	Type of Adhesive :	Acrylic	Abrasion Resistance: (Strokes) 5mm Mandrel	Class D (per LV312)
	Total Thickness:	530 µm	Abrasion Resistance: (Strokes) 10mm Mandrel	Class E (per LV312)
	Adhesion to Steel:	5.5 N/cm	Noise Damping	Class B (per LV312)
	Adhesion to Backing:	5 N/cm	—	
Additional Information	Length: 50m		Widths - 67, 85, 100, 115, 130, 145, 160, 180, 195mm	
	Available with Perforations*		Inner Core Diameter: 76mm	
Product Drawing	 ■ Backing ▤ Adhesive Total Width			

* The length of a tesa® Sleeve can be perforated as follows:

- Minimum perforation length is 50mm.
- A sleeve length between 50mm and 200mm can be perforated in 10mm increments.
- A sleeve length between 200mm and 500mm can be perforated in 20mm increments.
- A required sleeve length >500mm is not recommended, therefore, the perforation length must be split in two.
(Example: A 600mm required length = 300mm perforation increments)

(continued on back)

tesa Supersleeve® 51036 PV6

(continued from front)

Product Overview

Application Recommendation	Harness Diameter:	Total Width (recommendation)
	< 12mm	67mm +/- 3mm
	12mm - 16mm	85mm +/- 3mm
	16mm - 19mm	100mm +/- 3mm
	19mm - 24mm	115mm +/- 3mm
	24mm - 29mm	130mm +/- 3mm
	29mm - 33mm	145mm +/- 3mm
	33mm - 38mm	160mm +/- 3mm
	38mm - 45mm	180mm +/- 3mm
	45mm - 49mm	195mm +/- 3mm

PRODUCT INFORMATION

tesa Supersleeve® 51608 PV6

Double-layer polyester fleece sleeve for enhanced flexibility

tesa Supersleeve® 51608 PV6 is a double-layer polyester (PET) fleece coated at the edges with a rubber based adhesive for lengthwise application. It is designed for passenger compartment wire harnessing providing high flexibility.

Features:

- high flexibility
- high noise damping
- abrasion resistant
- easy and efficient lengthwise application
- unique adhesive-to-adhesive closure system guarantees secure bonding without additional spot wraps
- available in black



Product Overview

Technical Data	Backing Material:	Polyester (PET) Cloth	Temperature Resistance:	105°C/3000h
	Type of Adhesive :	Rubber Based	Abrasion Resistance: (Strokes) 5mm Mandrel	Class B (per LV312)
	Total Thickness:	560 µm	Abrasion Resistance: (Strokes) 10mm Mandrel	Class B (per LV312)
	Adhesion to Steel:	3 N/cm	Noise Damping	Class D (per LV312)
Additional Information	Length: 50m		Widths - 67, 85, 100, 115, 130, 145, 160, 180, 195mm	
	Available with Perforations*		Inner Core Diameter: 76mm	
Product Drawing	</			

* The length of a tesa® Sleeve can be perforated as follows:

- Minimum perforation length is 50mm.
- A sleeve length between 50mm and 200mm can be perforated in 10mm increments.
- A sleeve length between 200mm and 500mm can be perforated in 20mm increments.
- A required sleeve length >500m is not recommended, therefore, the perforation length must be split in two.
(Example: A 600mm required length = 300mm perforation increments)

(continued on back)

tesa Supersleeve® 51608 PV6

(continued from front)

Product Overview

Application Recommendation

Harness Diameter:	Total Width (recommendation)
< 12mm	67mm +/- 3mm
12mm - 16mm	85mm +/- 3mm
16mm - 19mm	100mm +/- 3mm
19mm - 24mm	115mm +/- 3mm
24mm - 29mm	130mm +/- 3mm
29mm - 33mm	145mm +/- 3mm
33mm - 38mm	160mm +/- 3mm
38mm - 45mm	180mm +/- 3mm
45mm - 49mm	195mm +/- 3mm

APPLICATION GUIDE

tesa® 51036 PV6 Wire Harness Supersleeve

Easy Application Process

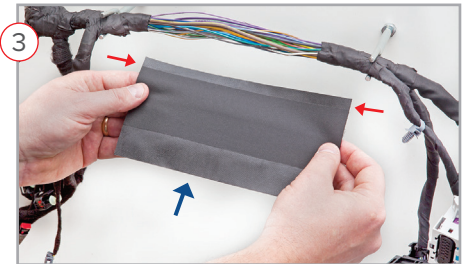
Proceso fácil de Aplicación



1 Perforated to custom, hand-tearable lengths
Perforaciones personalizadas para corte manual



2 → Outer adhesive sealing strip
Línea de adhesivo exterior para sellar la manga



3 → → Adhesive positioning strip
→ Inner adhesive sealing strip
Línea de adhesivo auxiliar de fijación sobre los circuitos
Línea de adhesivo para cierre y sello de la manga



4 Inner adhesive strip is applied to bundle as a starting point, the exterior sealing strip will be facing outside of the sleeve wrap
La línea de ayuda de fijación se coloca sobre los circuitos y la línea de sellado deberá de estar posicionada hacia afuera del arnes



5 Wrap sleeve around bundle
Envuelva la manga sobre los circuitos



6 Inner sealing strip is secured to the outer sealing strip, hand pressure is applied
La línea de adhesivo interior deberá de colocarse sobre la línea de adhesivo exterior y hay que aplicar presión para sellarlo

Product Drawing of tesa Supersleeve® 51036 PV6



Benefits of tesa® 51036 PV6

- Superior abrasion protection
- Excellent flexibility
- Potential weight reduction
- Easy and efficient lengthwise application
- Available in black and orange

Beneficios de tesa® 51036 PV6

- Protección superior a la abrasión
- Excelente flexibilidad
- Potencial de reducción de peso
- Aplicación longitudinal fácil y eficiente
- Disponible en negro y naranja

APPLICATION GUIDE

tesa® 51036 PV7 Wire Harness Sleeve

Easy Application Process

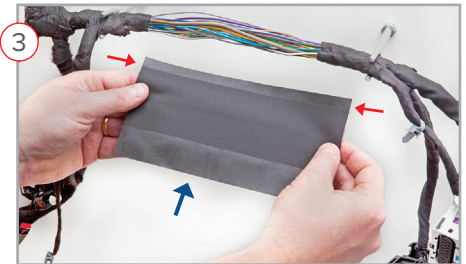
Proceso fácil de Aplicación



1 Perforated to custom, hand-tearable lengths
Perforaciones personalizadas para corte manual



2 → Outer adhesive sealing strip
Línea de adhesivo exterior para sellar la manga



3 → → Adhesive positioning strip
→ Inner adhesive sealing strip
Línea de adhesivo auxiliar de fijación sobre los circuitos
Línea de adhesivo para cierre y sello de la manga



4 Inner adhesive strip is applied to bundle as a starting point, the exterior sealing strip will be facing outside of the sleeve wrap
La línea de ayuda de fijación se coloca sobre los circuitos y la línea de sellado deberá de estar posicionada hacia afuera del arnes

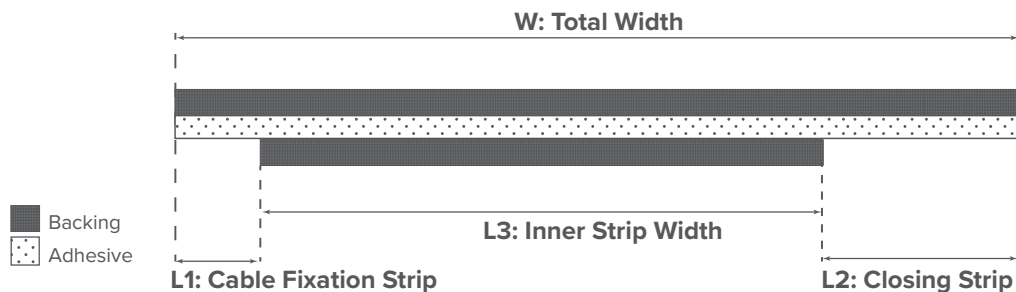


5 Wrap sleeve around bundle
Envuelva la manga sobre los circuitos



6 Inner sealing strip is secured to the outer sealing strip, hand pressure is applied
La línea de adhesivo interior deberá de colocarse sobre la línea de adhesivo exterior y hay que aplicar presión para sellarlo

Product Drawing of tesa Sleeve® 51036 PV7



Benefits of tesa® 51036 PV7

- Superior abrasion protection
- Excellent flexibility
- Potential weight reduction
- Easy and efficient lengthwise application
- Available in black and orange

Beneficios de tesa® 51036 PV7

- Protección superior a la abrasión
- Excelente flexibilidad
- Potencial de reducción de peso
- Aplicación longitudinal fácil y eficiente
- Disponible en negro y naranja

APPLICATION GUIDE

tesa® 51036 PV9 Wire Harness Sleeve

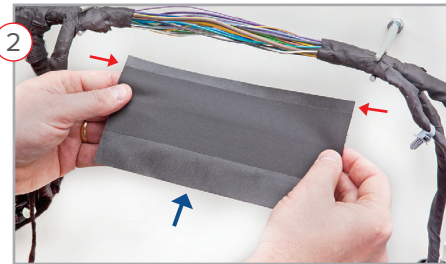
Easy Application Process

Proceso fácil de Aplicación



Perforated to custom, hand-tearable lengths

Perforaciones personalizadas para corte manual



→ → Adhesive positioning strip
→ Inner adhesive sealing strip
→ → Tira de fijación
→ Tira de adhesive interior



Adhesive positioning strip is applied to wire bundle as a starting point

Aplicar la tira de fijación sobre los circuitos como inicio

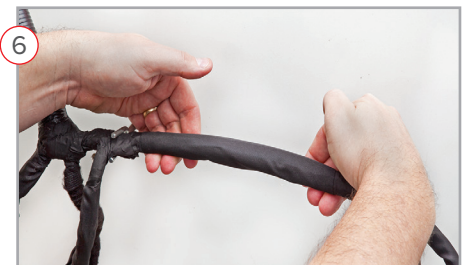


The positioning strip is placed against the wire bundle

Coloque la tira de fijación sobre los circuitos



Inner sealing strip is wrapped around and applied to sleeve backing
La tira de adhesivo interior se envuelve y se aplica sobre el respaldo de la manga



Apply hand pressure to sealed surface
Aplique presión con las manos para sellar la superficie del área

Product Drawing tesa Sleeve® 51036 PV9



Benefits of tesa® 51036 PV9

- High temperature resistance 150°C/3000 hours
- High flexibility
- Abrasion resistant
- Easy and efficient lengthwise application
- Available in black and orange

Beneficios de tesa® 51036 PV9

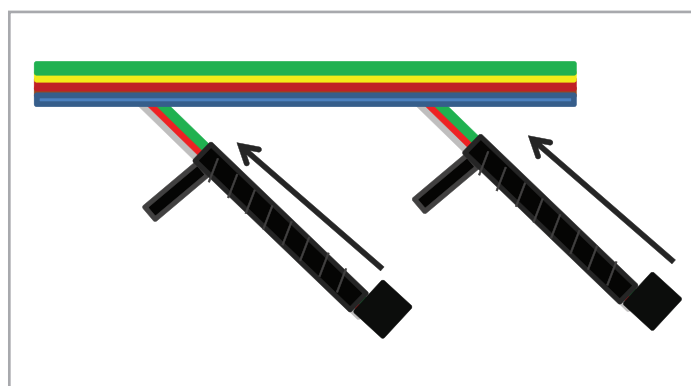
- Resistencia a altas temperaturas 150°C/3000 horas
- Alta flexibilidad
- Resistente a la abrasión
- Aplicación longitudinal fácil y eficiente
- Disponible en negro y naranja

APPLICATION GUIDE

tesa® Cloth & Fleece Hand Rolls

Application & Handling Instructions

- Tape should be dry, clean and undamaged
- Harness must be dry and clean; no oily surfaces, hand cream, powder, dust, silicone, release agents (e.g. for rubber parts)
- The worker's hands must be clean (no oil, skin cream)
- If using hand or finger protection, such as gloves or "tape thimble", these should have no loose fibers
- It is recommended to begin the taping process at the terminals going toward the main harness; see diagram below:



PET* Cloth Wire
Harness Tape
tesa® 51036

- Avoid touching the adhesive side
- The first and last wraps need to be 100% overlapped with three full rotations and adhered to the tape's own backing
- The last wrap should be made without tension, with the end firmly pressed
- Do not complete wrapping at positions where the diameter of the harness is changing, such as the connection area between corrugated tubes and wires
- For high-abrasion applications, make sure the tesa high-abrasion tape is applied 50% overlapped, as this will ensure the highest-quality wrapping and abrasion-resistance protection

Storage Recommendations

- Keep the tape in its original packaging, avoiding exposure to light
- Store rolls in a horizontal position
- Storage temperature: 23°C/73°F (10°C/50°F to 35°C/95°F)
- Relative humidity: recommended 50% (room temperature)
- Product Guarantee: 12 months from delivery, if maintained in its original packaging; tesa guarantees a maximum life of 24 months from production date of cloth / fleece products
- Avoid exposing tape rolls to wet or dusty conditions once unpacked
- Avoid deformation of tape rolls on the way from the unpacking station to assembly line

Application Tools

For abrasion-resistant fabric tape, the tesa red cutting tool may be used. The following recommendations must be considered:

- To the extent possible, make sure that the blade does not touch the adhesive
- The blade should be replaced on average every 15 days to avoid the accumulation of adhesive and a dulled blade



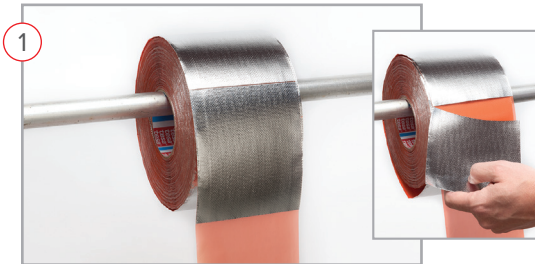
tesa® 6291 is an application aid available for quickly and cleanly cutting tesa® Wire Harness Tapes.

APPLICATION GUIDE

tesa® Heat Reflective 68000 PV17 Sleeve

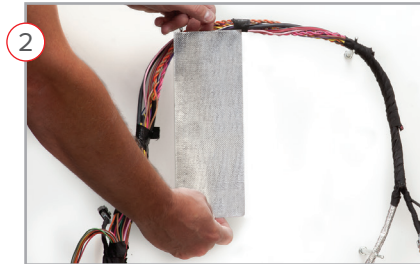
Easy Application Process

Proceso fácil de Aplicación



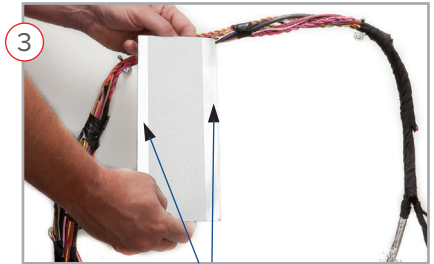
tesa® Heat Reflective Sleeve is positioned on a dispensing unit for easy use and can be pre-cut to varying lengths to suit the application

Coloque la cinta "tesa® Heat Reflective Sleeve" sobre un dispensador para facilitar su uso, esta puede llevar pre-cortes en varias longitudes para adaptarse a la aplicación



The backing material is a premium heat reflective foil that protects against radiant heat

El respaldo de la cinta es una lámina de material reflejante premium que protege contra la radiación del calor



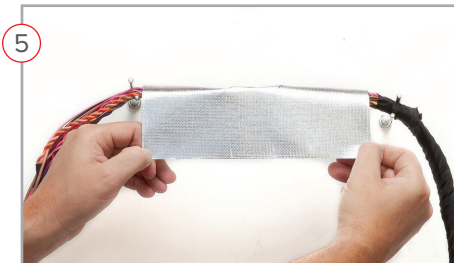
The reverse side features two acrylic adhesive strips on either side of polyester fleece cloth

El reverso cuenta con dos tiras de adhesivos acrílico en ambos lados de la tela de polyester



The tesa® Heat Reflective Sleeve is positioned to make initial contact with the wires with one of its two adhesive strips

Posicione una de las tiras adhesivas de la cinta tesa® Heat Reflective Sleeve sobre los cables como contacto inicial

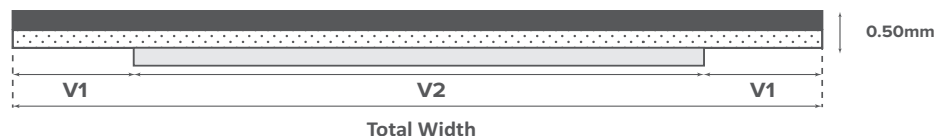
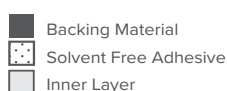


Continue the wire wrapping process
Continúe con el proceso de envolver los cables



The harness wrapping process is complete with tesa® Heat Reflective Sleeve
El proceso de ajuste del arnés está listo con la cinta tesa® Heat Reflective Sleeve

Product Drawing of tesa Sleeve® 68000 PV17

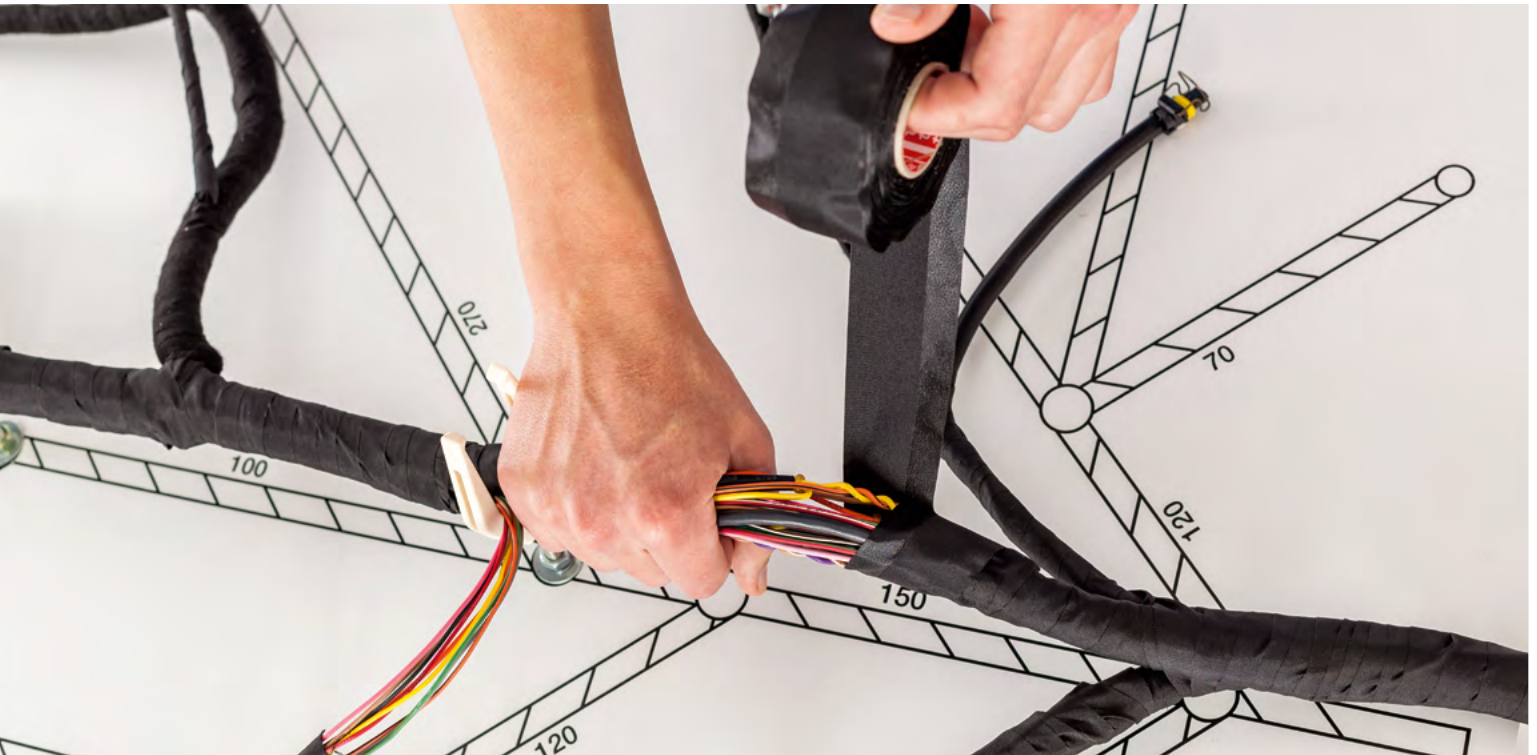


Benefits of tesa® 68000 PV17

- Superior radiant heat reflection
- High temperature resistance
- 232°C for 168 hours
- High flexibility
- Easy lengthwise application

Beneficios de tesa® 68000 PV17

- Superior reflexión del calor radiante
- Resistencia a altas temperaturas
- 232°C durante 168 horas
- Alta Flexibilidad
- De fácil aplicación longitudinalmente



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).

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