



## Scapa is the Global market leader of wire harness solutions

### Scapa Automotive Solutions

Every year millions of motor vehicles are produced worldwide, with each new model requiring individual tape solutions. Many of the leading manufacturers and suppliers rely on the transportation range from Scapa.

Our converting and die cutting capabilities offer customised solutions aimed at improving your manufacturing process whilst reducing waste material. Working with industry experts, Scapa is continuously evaluating the transportation market trends, offering solutions for modern day EED Systems, new paint and material innovations, and the latest vehicle designs.

All Scapa products are tested to the latest standards, offering customers solutions of high quality and performance. We provide not only world class tape solutions, but we instil confidence in our customers with all aspects of our service.

### Wire Harness Solutions

The use of electronic devices in motor vehicles is increasing every year, with entry level models now coming equipped with technology such as CD players, air bags and electric windows as standard. Modern day luxuries such as TV screens in head rests, electronic/heated seats and fuel efficient engines each require various levels of wire harness, due to the application environment and space restrictions.

The harnessing has to withstand high temperatures, chemicals and abrasion throughout the lifetime of the vehicle. All Scapa products are manufactured to meet the stringent quality standards set by the industry, ensuring safety and comfort for the vehicle occupants.

As a global leader in automotive wire harnessing, Scapa can offer a solution for any level of vehicle specification, including engines with complex EED Systems, engines that require up to T6 temperature resistant harnessing and where space is at a minimum in doors, cockpits and dashboards.

### Key applications and products

- General wrapping purposes and identification - strong, flexible and conformable PVC tapes, also available in a variety of colours for marking branches and identify connections in the construction of wiring harness.
- Anti-squeak and rattle - rayon cloths are perfect for cable wrapping whilst ensuring sealing properties when specially laminated for waterproofing and used for splicing. High performance PET cloths guarantee performance up to 150°C (T4) as well as different levels of abrasion resistance to be used in sharp environments.
- Sound dampening - product range with attenuation feature from 10 to 20dB includes economic PET felts without interleaving, exhibiting temperature resistance up to 125°C (T3), easy to tear by hand to gain in production efficiency and cost savings.
- Heat protection - PVC, PET or glass cloths offer different levels of resistance in high temperature environment.
- Sealing - soft and conformable butyl sealants and foam tapes exhibit excellent adhesion on many substrates whilst ensuring excellent sealing against dust and water.

## PVC Tapes

Application(s)	Product	Thickness mils (mm)	Description	Adhesive	Temperature*	Additional information
Cable containment.	216	4.7 (0.12)	Non adhesive PVC tape.	N/A	A - T1 (85°C)	Gives superior flexibility of the harness for easier positioning in the car, hand tearable, product 217 available for machine application, available in black.
	2759	3.5 (0.09)	Plasticised PVC tape.	Rubber	A - T1 (85°C)	Very flexible and conformable, hand tearable, available in black.
	2759W	3.9 (0.10)		Acrylic		
Cable containment, identification, corrugated tubing closure.	2761W	5.1 (0.13)		Rubber	B - T2 (105°C)	Premium PVC tapes, combining conformability and temperature performance, hand tearable, available in black, 2702 is also available in a wide variety of colours.
	2702			Acrylic		
Cable containment, splicing, corrugated tubing closure.	2705	7.1 (0.18)		Rubber	A - T1 (85°C)	Thick film carriers for improved electrical insulation, resistance to abrasion and perforation, 2705 is hand tearable, available in black.
	2708	9.9 (0.25)				
Cable containment in high temperature environments, corrugated tubing closure.	205	4.3 (0.11)	Acrylic	C - T3 (125°C)	High temperature resistant PVC tape (engine compartment), hand tearable, available in black.	

## Uncoated Cloth Tapes

Application(s)	Product	Thickness mils (mm)	Description	Adhesive	Temperature*	Additional information	
Cable containment with anti-squeak and rattle properties, corrugated tubing closure.	003	9.9 (0.25)	Rayon cloth tape.	Rubber	B - T2 (105°C)	Conformable, high breaking strength, hand tearable, products 003M/164 are available for machine application, both products are available in black.	
	164	9.5 (0.24)	Cotton cloth tape.		A - T1 (85°C)		
Cable containment with anti-squeak and rattle properties. Spot holding on wire harnesses. Corrugated tubing closure.	169		Flame-retardant cotton cloth tape.	Flame retardant rubber	A - T1 (85°C)	Flame-retardant carrier and adhesive, available in black.	
Cable containment in high temperature environments.	572N		6.3 (0.16)	Non-fraying glass cloth tape.	Acrylic	D - T4 (150°C)	For high temperature usage (engine compartment), 572N is available in black, 580 is available in white.
	580	7.1 (0.18)	Silicone		F - T6 (200°C)		
Cable containment with heat reflectance.	250	7.9 (0.20)		Aluminium glass cloth laminate.	D - T4 (150°C)	Aluminium foil gives heat reflectance, usage in engine or exhaust systems, thermal class on harness is 225°C during 10 days.	
Cable containment.	1820	5.9 (0.15)		Polyester cloth tape.	Rubber	B - T2 (105°C)	Flexible and conformable, hand tearable, available in black.
Cable containment in high temperature environments.	1810A	5.1 (0.13)	D - T4 (150°C)			High temperature resistant PET tape (engine compartment), flexible and conformable, hand tearable, available in black.	
Cable containment in harsh mechanical environments.	1828	8.3 (0.21)	B - T2 (105°C)			C - T3 (125°C)	For high abrasion protection, (** Ford Class 3 / Renault Class MR4 / PSA Class 2 / LV 312 Class C) in high temperature environments, available in black.
	1838						

## Waterproof Cloth Tapes

Application(s)	Product	Thickness mils (mm)	Description	Adhesive	Temperature*	Additional information
Splicing.	3163A	9.5 (0.24)	Polyethylene coated cloth tape.	Rubber	A - T1 (85°C)	Good electrical and perforation resistance, waterproof, high adhesion, hand-tearable, available in black, white and grey.
Splicing, FFC/FPC splicing.	3120A	10.2 (0.26)	Coated cloth tape.		A - T1 (85°C)	Good electrical and perforation resistance, waterproof, high adhesion, hand-tearable. Product 228 is flame-retardant. Both products are available in black.
Splicing, clip retention, cable containment.	228	11 (0.28)				

## Non-woven Polyester Tapes

Application(s)	Product	Thickness mils (mm)	Description	Adhesive	Temperature*	Additional information
Cable containment with sound dampening properties, corrugated tubing closure.	SoundGard™ 3510A	21.7 (0.55)	Non-woven polyester felt tape without liner.	Rubber	C - T3 (125°C)	Patented, hand tearable, high temperature resistant tape, provides high sound-dampening performance (** Ford Class 3 / Renault Class A4 / PSA Class 1 / LV 312 Class D) compared to its low thickness, product 3511 available for machine application, 3512 version with no adhesive to give higher flexibility, also used in machine application, all versions are available in black.
Cable containment with sound dampening properties.	3520	26.4 (0.67)	Non-woven polyester felt tape with a brown siliconised release paper liner.	Acrylic	B - T2 (105°C)	High sound-dampening properties (** Ford Class 3 / Renault Class A4 / PSA Class 1 / LV 312 Class D) and good temperature resistance, for manual longitudinal wrapping with adhesive to adhesive configuration, available in black.
	569A				C - T3 (125°C)	
Harness fixing on headliner with sound dampening properties.	3540	39.4 (1)	Non-woven polyester felt tape with a white siliconised release paper liner.		B - T2 (105°C)	
Cable containment with sound attenuation properties, FFC/FPC assembly, corrugated tubing closure.	5620	10.6 (0.27)	Non-woven polyester tape.	Rubber	B - T2 (105°C)	Good balance between thickness and sound attenuation properties (** Ford Class 2 / Renault Class A / LV 312 Class B), product 5620 is 40% made with renewable material, hand tearable, available in black.

## Foam Tapes

Application(s)	Product	Thickness mils (mm)	Description	Adhesive	Temperature*	Additional information
Sound, dust and water sealing junction boxes.	3259	Various	PVC foam tape.	Acrylic	A - T1 (85°C)	Forms a compression sound / water / dust seal, superior sound attenuation properties, different hardness available 3099 (Soft 20°00"), 3259 (Medium 40°00") and 3509 (Hard 55°00"), in various thickness and die-cut formats, available in black and grey (Products 3257 and 3507).

## Paper Tapes

Application(s)	Product	Thickness mils (mm)	Description	Adhesive	Temperature*	Additional information
Packaging.	9001S	3.9 (0.10)	Semi-creped paper.	Rubber	60°C	Smooth, easy to tear, 9001S and 9080S are available in cream, 9152 is available in black, red and yellow.
	9080S	4.3 (0.11)			A - T1 (85°C)	
Packaging, optional branches containment.	9152	5.5 (0.14)			A - T1 (85°C)	

## Polyester Films

Application(s)	Product	Thickness mils (mm)	Description	Adhesive	Temperature*	Additional information
Packaging, optional branches containment in high temperature environments.	1613	27.6 (0.70)	Polyester film	Acrylic	C - T3 (125°C)	Hand-tearable, fluid resistant tape, designed for use in engine compartments, available in dark grey.
FFC / FPC fixing.	D160	4.3 (0.11)	Transparent double-sided polyester film with a white siliconised release paper liner.		A - T1 (85°C)	High tack and peel strength, bonds well to urethane foams, tears easily by hand.

## Sealants

Application(s)	Product	Thickness mils (mm)	Description	Adhesive	Temperature*	Additional information
Dust and water sealing of grommets.	0303	78.8 (2)	Synthetic rubber sealant supplied on siliconised release paper liner.	N/A	90°C	Easy to use, highly conformable, permanently flexible throughout its service life, preformed to choice of strip, pad or bead sizes, 0303 is available in grey and black, 0311 is available in grey, white or black, 0385 is available in black and white (Product 0384).
	0311	39.4 (1)				
	0385	59.1 & 118.2 (1.5 & 3)				

## Self-amalgamating Tapes

Application(s)	Product	Thickness mils (mm)	Description	Adhesive	Temperature*	Additional information
Insulation and waterproofing electrical components.	2501	19.7 (0.5)	PIB self-amalgamating tape.	N/A	90°C	Superior amalgamation and good electrical properties for general purpose applications. Product 75 exhibits superior fluid resistance. 2501 and 2547 are available in black, 75 is available in grey.
	2547	29.6 (0.75)	EPR self-amalgamating tape.		100°C	
	75	19.7 (0.5)	Silicone self-amalgamating tape.		200°C	

\* Temperature resistance on Harness

\*\* Noise dampening and abrasion resistance categories according to Ford ES-AC3T-1A303-AA, Renault 16 - 00 - 001 / -- K, PSA 9645871099H and LV 312-1. SoundGard™ is a trademark of Scapa plc.

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