

< SCAPA AUTOMOTIVE >

# WIRING HARNESS SOLUTIONS THAT DRIVE PERFORMANCE

Engineered adhesive solutions  
for the automotive industry

scapaindustrial.com



# SCAPA'S COMPREHENSIVE PORTFOLIO OF HARNESS COVERING TAPE SOLUTIONS

- Soft PVC product line, with different thickness and adhesive types, including low VOC grades
- Polyester, glass, rayon & cotton cloths with comprehensive temperature and abrasion performance
- Aluminium/glass cloth product for demanding heat reflective needs
- Non-woven, fleece & foam types which cover all sound dampening requirements
- Cloth & PVC to protect splices in dry areas
- Sealants & self-amalgamating tapes to protect against water ingress

Find your solution in the table below

		Passenger Compartment		Engine Compartment		
Temperature rating according to LV312		A	B	C	D	E
General Wrapping		216 / 217 2759 / 2759W 164/169	2702 / 2702W 2761W 2762	200 205 1832 1837	572N 1810A	580
Abrasion Resistance		N/A	2708 1828	1838	N/A	N/A
Heat Reflection		N/A	N/A	N/A	250	N/A
Sound Attenuation	Medium	N/A	003 164 / 169 1820 1823 5620	SoundGard™ 3513	N/A	N/A
	High	N/A	3521 3540	SoundGard™ 3510A / 3511 / 3512	N/A	N/A
	Very High	N/A	568 D160	N/A	N/A	N/A
Splicing Protection		N/A	228 2705 3120A 3163A	N/A	N/A	N/A

All information listed is for reference only.  
Complete evaluation according to the OEM specifications is available upon request.

Arrange a visit from your local Scapa Sales Engineer to evaluate our extensive range of wiring harness products for yourself.

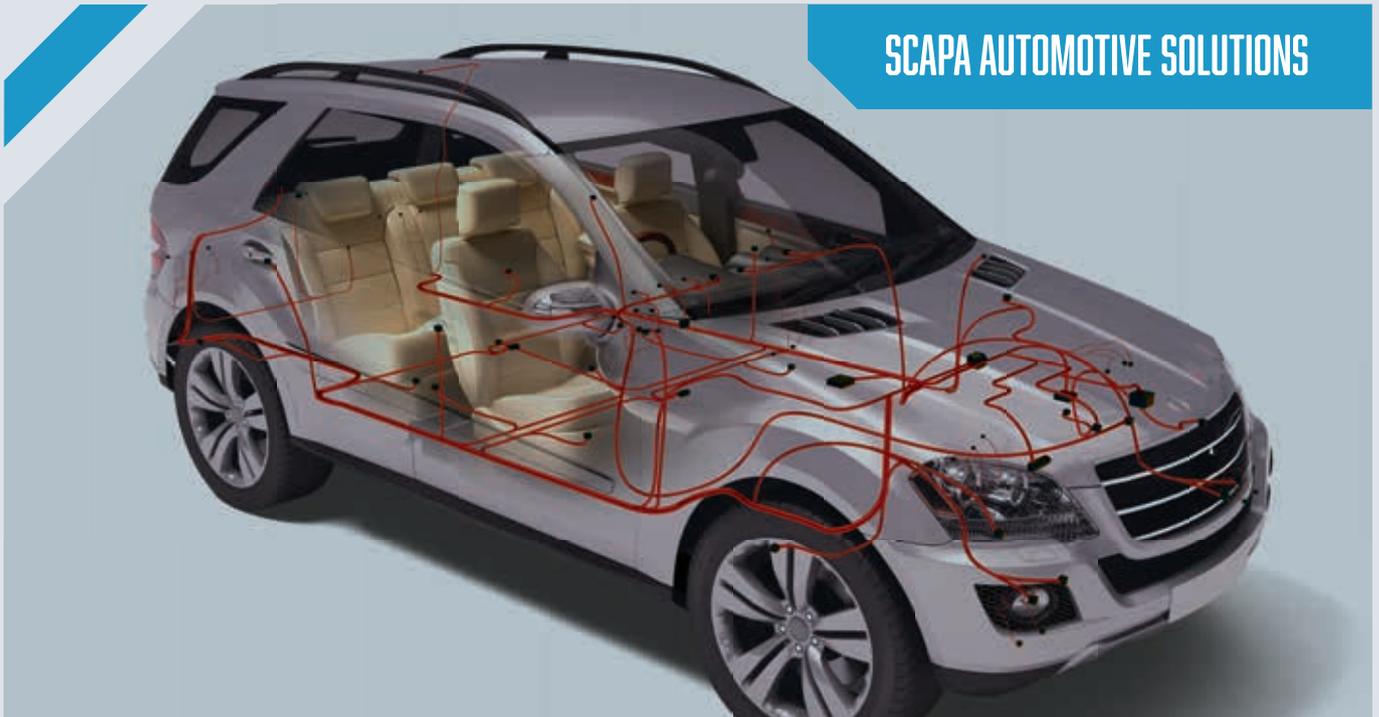


# EXCEPTIONAL PERFORMANCE, WHATEVER THE APPLICATION

Scapa is one of the world's leading manufacturers of bonding solutions and adhesive components. Our solutions cover a wide range of market applications from automotive, industrial, cable and construction, to speciality, consumer, electronics and healthcare.

We go to extraordinary lengths to help our customers create better products. That means providing customised adhesive solutions that are based on a deep understanding of our core markets. Scapa is a global leader and manufacturer of technical adhesive solutions that address the evolving needs of automotive market OEMs, converters, component supplier tiers and supply chain partners.

## SCAPA AUTOMOTIVE SOLUTIONS



Every year, millions of motor vehicles are produced around the world. Each new model demands an individual tape solution for its wiring loom and many of the leading manufacturers rely on the automotive range from Scapa.

The reason is simple. Our expertise in adhesive technology, coupled with our impressive converting and die cutting capabilities, means we can create customised solutions that improve the vehicle manufacturing process and minimise waste materials.

To maintain our high standards, we collaborate with industry experts and continually evaluate trends in the automotive market. Scapa can provide solutions that meet the design challenges in the wiring harness, assembly and car protection markets.

Scapa Automotive wire harnessing products meet international OEM specifications to guarantee the highest quality and performance. With Scapa, you can benefit from world-class tape solutions and exceptional customer service that drives confidence.

### COVERING SOLUTIONS FOR WIRING HARNESS

The digital revolution has transformed the automotive market. Vehicles are now extremely complex with a wide range of technology to enhance the driving experience. From heated seats to entertainment screens, each device requires its own level of wiring harness, according to the application environment and space restrictions.

Quality is of paramount importance too. The harnessing must be able to withstand high temperatures, chemicals and abrasion over the entire lifetime of the vehicle. That's why all Scapa products are manufactured to meet the most stringent industry standards, ensuring complete compliance as well as the safety and comfort of those travelling in the vehicle.

Scapa Engineered Adhesive Solutions fulfil the requirements of the Automotive Industry. The table below gives an overview of all Scapa solutions approved.

Scapa References	Description	Temperature Resistance	Adhesive*	Scapa Approvals by AOEM for Wiring Harness												
				CHRYSLER	FIAT	FIAT INDUSTRIAL	FORD	GENERAL MOTORS	JAGUAR LAND ROVER	NISSAN	PSA PEUGEOT CITROEN	RENAULT	RENAULT TRUCKS	VOLVO	VW GROUP	
003 / M / S	Rayon Cloth Tape	105°C	R		✓							✓	✓			
303	Sealant	85°C	N/A				✓			✓	✓	✓	✓			
311	Sealant	85°C	N/A								✓	✓			✓	
385	Sealant	85°C	N/A				✓			✓	✓	✓	✓			
164	Cotton Cloth Tape	85°C	R	✓												
169	Cotton Cloth Tape	85°C	R				✓									
200	PVC Tape	125°C	R		✓											
205	PVC Tape	125°C	A										✓			
216/216S	Non Adhesive PVC Tape	85°C	N/A				✓	✓					✓			
217	Non Adhesive PVC Tape	85°C	N/A				✓						✓			
228	Vinyl Coated Cloth Tape	105°C	R				✓									
250	Aluminium Glass Cloth Tape	150°C/200°C	S				✓	✓		✓			✓			
572N	Glass Cloth Tape	150°C	A		✓		✓					✓	✓			
580	Glass Cloth Tape	200°C	S		✓		✓					✓	✓			
1613	Hand-tearable Polyester Tape	125°C	A									✓	✓			
1810A	Polyester Cloth Tape	150°C	R				✓					✓	✓			
1811	Polyester Cloth Tape	125°C	R			✓						✓	✓		✓	
1820	Polyester Cloth Tape	105°C	R		✓			✓					✓			
1823	Polyester Cloth Tape	100°C	R		✓		✓									
1828	Polyester Cloth Tape	100°C	R					✓								
1832	Polyester Cloth Tape	125°C	R		✓											
1837	Polyester Cloth Tape	125°C	R				✓	✓				✓				
1838	Polyester Cloth Tape	125°C	R					✓								
2501	Self-amalgamating Tape	85°C	N/A				✓									
2702	PVC Tape	100°C/105°C	R		✓		✓	✓		✓		✓	✓			✓
2702W	PVC Tape	105°C	A		✓		✓	✓				✓				
2705	PVC Tape	105°C	R					✓								
2708	PVC Tape	85°C	R							✓						
2726	PVC Tape	105°C	R						✓							
2759	PVC Tape	85°C	R				✓			✓		✓	✓			
2759W	PVC Tape	85°C	A				✓	✓								
2761W	PVC Tape	105°C	A					✓								
2763	PVC Tape	105°C	R				✓									
3120A	Waterproof Cloth Tape	85°C/100°C	R				✓	✓					✓			
3163A	Polyethylene Coated Cloth	85°C/100°C	R				✓	✓				✓	✓			
3259	Foam PVC 3mm pads	85°C	A										✓			
3369	Rayon Cloth Tape	85°C	R				✓								✓	
3370	Rayon Cloth Tape	85°C	R		✓		✓		✓							✓
3510 SoundGard™	Non-woven Polyester Tape	125°C	R				✓					✓	✓			
3510A SoundGard™	Non-woven Polyester Tape	100°C/125°C	R				✓	✓				✓	✓			
3511 SoundGard™	Non-woven Polyester Tape	125°C	R				✓					✓	✓			
3512 SoundGard™	Non-woven Polyester Tape	125°C	R									✓				
3540	Non-woven Polyester Tape	105°C	A							✓		✓	✓			
5620	Non-woven Polyester Tape	105°C	R		✓		✓	✓				✓				
9041	Paper Tape	70°C/85°C 7 days	R				✓						✓			
9080S	Paper Tape	85°C	R									✓				
9111	Paper Tape	85°C	R									✓	✓			
9152	Paper Tape	85°C	R				✓					✓	✓			

All information listed is for reference only.  
Complete evaluation according to the OEM specifications is available upon request.

\*A = Acrylic / R = Rubber / S = Silicone

# TECHNICAL DATA

The table below features Scapa's products classified according to the LV312 specification. Determine the optimal solution to meet the performance standards required by your project.

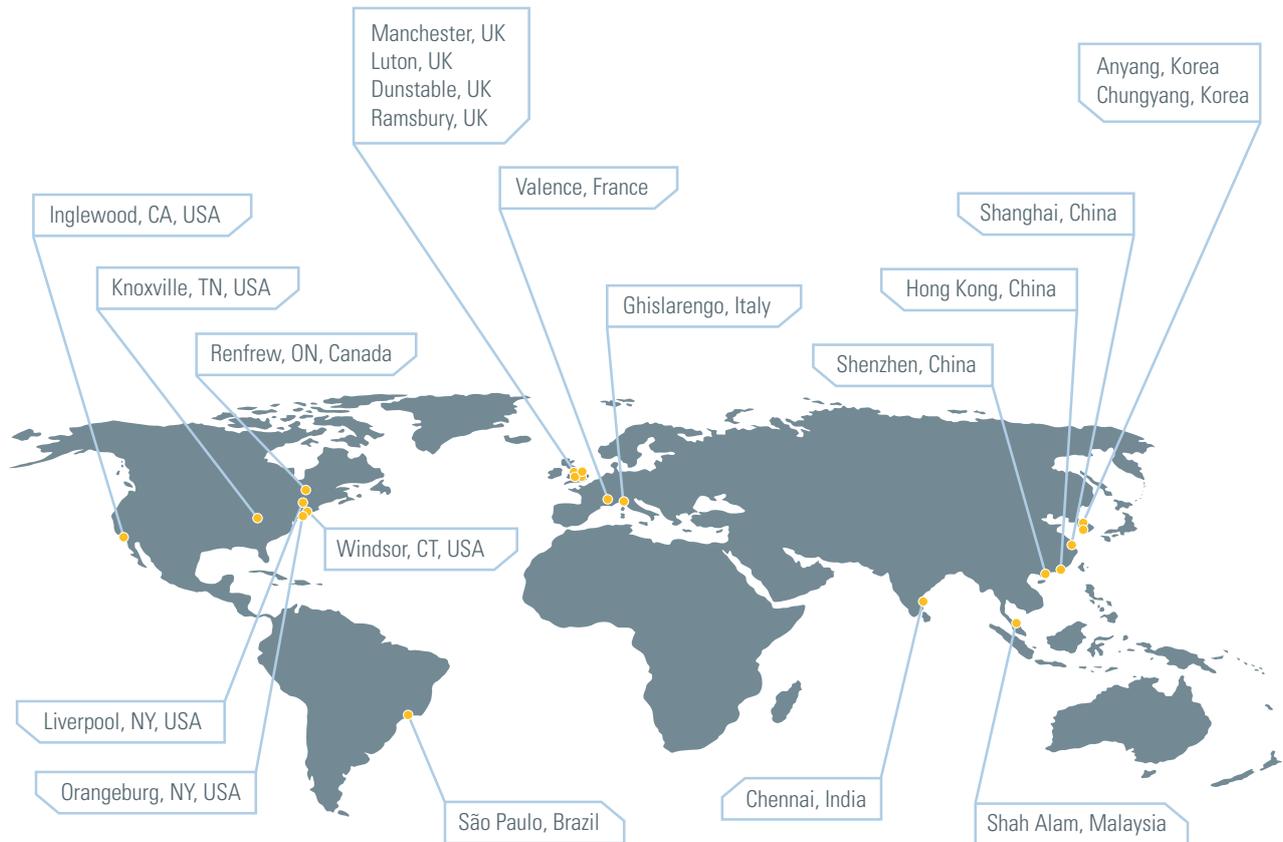
Main Function	Product	Substrate	Adhesive	Total Thickness (μ)	Temperature	Abrasion 5mm mandrel	Sound Dampening dB(A)	Hand Tearable
General Wrapping	200	PVC film	Rubber	140	C	A	A	N
	205	PVC film	Acrylic	110	C	A	A	Y
	216	PVC film	N/A	120	A	A	A	Y
	217 <sup>†</sup>	PVC film	N/A	120	A	A	A	Y
	2702	PVC film	Rubber	130	B	A	A	Y
	2702W	PVC film	Acrylic	130	B	A	A	Y
	2759	PVC film	Rubber	90	A	A	A	Y
	2759W	PVC film	Acrylic	100	A	A	A	Y
	2761W	PVC film	Acrylic	100	B	A	A	Y
	2762	PVC film	Rubber	90	B	A	A	Y
	003	Cloth tape	Rubber	250	B	A	B	Y
	164	Cloth tape	Rubber	240	A	A	B	Y
	169	Cloth tape	Flame retardant rubber	240	A	A	B	Y
	1810A <sup>†</sup>	PET cloth	Rubber	130	D	A	B	Y
	1820	PET cloth	Rubber	150	B	A	B	Y
	1823	PET cloth	Rubber	140	B	A	B	Y
	1832	PET cloth	Rubber	145	B	A	A	Y
	1837	PET cloth	Rubber	140	C	A	A	Y
572N	Glass cloth	Acrylic	160	D	A	A	N	
580	Glass cloth	Silicone	180	E	A	B	N	
Splicing Protection	2705	PVC film	Rubber	180	B	B	A	N
	228	Cloth tape	Rubber	280	B	A	B	Y
	3120A	Cloth tape	Rubber	260	A / B	A	B	Y
	3163A	Cloth tape	Rubber	240	A / B	A	B	Y
Heat Reflectance	250	Aluminium glass cloth	Silicone	200	D	A	B	N
Abrasion Resistance	2708	PVC film	Rubber	250	A	D	A	N
	1828	PET cloth	Rubber	210	B	C	A	N
	1838	PET cloth	Rubber	210	C	C	A	N
Sound Attenuation	SoundGard™ 3510A	Non-woven felt	Rubber	550	B / C	A	D	Y
	SoundGard™ 3511 <sup>†</sup>	Non-woven felt	Rubber	550	C	A	D	Y
	SoundGard™ 3512 <sup>†</sup>	Non-woven felt	N/A	550	C	A	D	Y
	SoundGard™ 3513	Non-woven felt	Rubber	450	B / C	A	C	Y
	3521	Non-woven felt	Acrylic	600	B	A	D	N
	568/D160	Foam / DS PET film	Acrylic	300	B	A	E	-
5620	Non-woven PET	Rubber	270	B	A	C	Y	
Headliner Attachment	3540	Non-woven felt	Acrylic	100	B	C	D	N
Packaging	9080S	Paper tape	Rubber	110	A	A	A	Y
	9152	Paper tape	Rubber	140	A	A	A	Y
	9041	Paper tape	Rubber	120	70°C	A	A	Y
	1613	PET film	Acrylic	70	C	A	A	Y
Sealing	0303	Sealant	N/A	2000	90°C	-	-	-
	0311	Sealant	N/A	1000	90°C	-	-	-
	0385	Sealant	N/A	1500 - 3000	90°C	-	-	-
	3259	SS PVC foam	Acrylic	Various	85°C	-	-	-
Insulation + Sealing	2501	PIB self-amalgamating	N/A	50	90°C	-	-	Y
	2547	EPR self-amalgamating	N/A	75	100°C	-	-	Y
	75	Silicone self-amalgamating	N/A	50	200°C	-	-	N
	2585	EPR self-amalgamating	N/A	1650	90°C	-	-	N

<sup>†</sup>Product is available for automatic application in specific length and with a specific unwind force.

## CLASSIFICATION ACCORDING TO LV312

Classification	Temperature (°C)	Abrasion - 5mm mandrel (number of strokes)	Sound Damping - dB(A) Attenuation
A	- 40 to 85	< 100	0 to ≤ 2
B	- 40 to 100/105	100 - 499	2 > to ≥ 5
C	- 40 to 125	500 - 999	5 > to ≥ 10
D	- 40 to 150	1000 - 4999	10 > to ≥ 15
E	- 40 to 175	5000 - 14999	> 15
F	-	15000 - 29999	-

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Any results shown in this information may not be relevant to all users of the product and it is the user's responsibility to determine the suitability of the product for its intended purpose.

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