

Application Fields for Truck & Trailer

Cabin

LEONI Adascar® Safety & Comfort

Multicore shielded or unshielded cables for low voltage ($\leq 60V$ DC) and flame retardant.

Chassis & Transmission

LEONI Adascar® Control

Multicore shielded or unshielded cables for low voltage ($\leq 60V$ DC) and flame retardant.

Engine

LEONI Adascar® Control

Multicore shielded or unshielded cables for low voltage ($\leq 60V$ DC) and high temperatures.

Interconnecting truck & trailer electronic wiring trailer

LEONI Adascar® Truck

Multicore cables incl. multifunction cables with integrated data- and sensor-elements, coicable & overmoldable.

E/E Architecture & Cabin

LEONI Dacar®

Multi-core and coaxial cables for data transmission e.g. for multi-gig Automotive Ethernet, LVDS, CAN/FD, camera & bus systems, GPS, Car-2X, e-call systems.

Axle Wiring - driven & steered Axles

LEONI Adascar® Sensor

Multicore flexible or high flexible sensor or multifunction cables for axle wiring.

Electric Engine & Batteries

LEONI Adascar® Power

Multicore shielded or unshielded cables for low voltage ($\leq 60V$ DC).

LEONI exFC®

Extruded flat cables ($\leq 60V$ DC) e. g. for battery internal connection.



LEONI LCS Leading Cable Solutions.

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LEONI ADASCAR® TRUCK

Automotive Special Cables for Truck & Trailer
Multicore and coaxial cables for internal or external wiring and interconnection of Truck and Trailer

LEONI LCS

LEONI Automotive Special Cables

Truck & Trailer

Portfolio Overview & ADR Certificates

Type	Code	Number of cores	Nominal cross-section [mm²]	Conductor material	Insulation material	Shield type	Jacket material	Temperature range [°C]
Round Cables	LEONI Adascar® Truck 10xxx	≥ 2	0.13 - 4.00	Cu bare Cu tin-plated CuSn	PVC	unshielded	PVC	-30 to +85 -40 to +105
	LEONI Adascar® Truck 12xxx - 16xxx							
	LEONI Adascar® Truck 18xxx				PVC PE-X PP TPE ETFE	B-shield C-shield D-shield	PVC TPE-E TPE-U	-30 to +85 -40 to +105 -40 to +125 -40 to +150
Flat Cables	LEONI Adascar® Truck 11xxx - 13xxx	2			PVC	unshielded	PVC TPE-U	-30 to +85 -40 to +105 -40 to +125

*customer-specific designs possible on request

Design Examples for LEONI Adascar® Truck & Trailer and Sensor

Type	Cable construction [No. of cores X nom. Cross-section]	Insulation material	Jacket material	Outer diameter [nom. Ø or Width x Height]	Temperature range [°C]
LEONI Adascar® flat and round cables with PVC cores for e.g. lighting systems in trucks and trailers					
Truck 11201-F	2x1.5	PVC	PVC	6.80x4.50 mm	-40 to +105
Truck 10301	3x0.75	PVC	PVC	6.80x4.50 mm	-40 to +105
Truck 10507	5x0.75	PVC	PVC	6.20 mm	-40 to +105
LEONI Adascar® cables with integrated data-elements for data or signal transmission for e.g. electronic brake systems (EBS), ADAS-systems and connecting truck & trailer					
Truck 15730	2x4.0 + 3x1.5 + 1x2x1.0	PVC & PP	PVC	11.50 mm	-40 to +85
Truck 10151	12x1.0 + 3x2.5	PVC	PVC	12.60 mm	-40 to +105
Truck 15224 Coil	2x4.0 + 3x1.5 + 1x2x1.5	PVC & PP	TPE-E	13.30 mm	-40 to +105
Truck 1522X Coil	10x1.5 + 3x 2.5 + 1x2x1.5	PVC & PP	TPE-U	14.00 mm	-40 to +105
Truck 1925	2x2.5 + Sensor 210 2x0.5	PP & EVA	TPE-U	10.00 mm	-40 to +125
LEONI Adascar® for sensor applications like WSS or ESS or engine wiring in trucks					
Sensor 210	2x0.50	E/VA	TPE-U	4.30 mm	-40°C to +125
Sensor 1622	2x0.75	PVC	TPE-U	5.40 mm	-40°C to +105
Sensor 1775	2x0.35 CUSN	PVC	TPE-U	4.00 mm	-40°C to +105
Sensor XL	2x0.50	XLPE	XLPE	6.20 mm	-40°C to +150
Truck 14320	3x0.75	XLPE FR	TPE-U FR	5.60 mm	-40°C to +125
Truck 16102	4x0.75 + 6x1.0	ETFE	TPE-U	11.20 mm	-40°C to +150

ADR Certificates for Cables LEONI Adascar®

Truck, Sensor & Dacar®

Type	No. of cores	Cross-section mm²	Core material	Jacket material	Temp. rating °C (3.000 h)	Certificate	Facility
Adascar®	multicore	0.5 – 6.0	TPE-S / EVA / XLPE	TPE-U	-40 to +125	TÜ.EGG.155-13	G, H, C, M
Adascar®	multicore	0.5 – 6.0	PVC	PVC	-40 to +105	TÜ.EGG.052-01	G, S, C, M
Adascar® Flat Cables	2-core	0.5 – 1.5	PVC	PVC	-40 to +105	TÜ.EGG.053-01	G, S, C, M
Adascar®	multicore	0.5 – 6.0	PVC	TPE-U	-40 to +105	TÜ.EGG.114-06	G, C, M
Adascar®	multicore	0.5 – 6.0	PVC / PP	PVC / TPE-U / TPE-E	-40 to +90	TÜ.EGG.116-06	G, C, M
Dacar® shielded	multicore & coax	-	PP	PVC	-40 to +105	TÜ.EGG.351-23	G, S, H, C, M
Dacar® shielded	multicore & coax	-	PP	TPE-U	-40 to +105 -40 to +125	TÜ.EGG.351-23	G, S, H, C, M
Dacar® unshielded	multicore	-	PP	TPE-S	-40 to +105 -40 to +125	TÜ.EGG.353-23	G, S, H, C, M
Dacar® shielded	coax	-	XPE	PVC	-40 to +105	TÜ.EGG.354-23	G, S, H, C, M
Dacar® unshielded	multicore	-	PP	-	-40 to +105 -40 to +125	TÜ.EGG.355-23	G, S, H, C, M

Production Facilities: G (Germany) – Slovakia (S) - Hungary (H) – China (C) – Mexico (M)

