

LEONI Adascar® – Experiences with all senses.



Advanced Automotive Special Cables.

Benefits/Properties

LEONI Adascar

Comfort/Control/Power/Safety

- customer-specific cables
- certified according to international standards
- extensive OEM approvals
- excellent processability
- worldwide production facilities
- temperature resistance up to + 300 °C

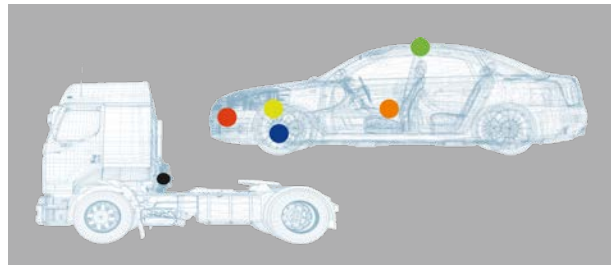
LEONI Adascar Truck

- with ADR/GGVS certificates
- with integrated data pair
- coilable versions
- available with double jacket

LEONI Adascar Sensor

- highly flexible
- available as halogen-free and flame-retardant versions
- extremely high abrasion resistance
- very good media resistance
- temperature resistance to + 150 °C
- resistant to charring and hydrolysis
- high flex endurance
- bending strength
- recyclable

The LEONI Adascar® family is divided in the following applications:



SAFETY: airbag, belt, pre-crash, collision avoidance and closing systems, clamping protections, chassis safety, distance controllers etc.

COMFORT: roof, seat, heating, ventilation and climate control systems, park assistance, consumer electronics etc.

POWER: lighting and wiring systems, electrical installation wiring, engine compartment etc.

CONTROL: sensors for rain, weight and occupant recognition, fill level, lambda probe, applications with capacity and inductivity requirements etc.

TRUCK: connection cable between tractor and trailer or semi-trailer, lighting and wiring systems with ADR approval etc.

SENSOR: ABS, ESP, brake wear indicator and electrical parking brake

STANDARDS: In accordance with ISO 6722 and ISO 14572 (to be replaced in future by ISO 19642), LV 112, LV 212, JASO, SAE and customer specifications.



LEONI

Excerpt from our present product portfolio

| Description | Type according to DIN/JASO | No. of cores* | Nominal cross-section mm ² | Insulation | Shield type | Sheath | Standard | Temperature range |
|---|----------------------------|---------------|---------------------------------------|------------|--------------------------|-------------|-----------|-------------------|
| Cables up to 105 °C | | | | | | | | |
| Round cable | AVSS | 1 – 4 | 0.3 to 2.0 | PVC | – | PVC | JASO | –40 °C to +85 °C |
| Round cable with complete shielding | ASW | 1 – 4 | 0.3 to 2.0 | PVC | B shield with drain wire | PVC | JASO | –40 °C to +85 °C |
| Round cable with complete shielding | AVSS-SW | 1 – 4 | 0.3 to 2.0 | PVC | D shield | PVC | JASO | –40 °C to +85 °C |
| Round cable with complete shielding | AVSS-BS | 1 – 4 | 0.3 to 2.0 | PVC | C shield | PVC | JASO | –40 °C to +85 °C |
| Round cable | FLYY | 2 – 19 | 0.5 to 4.0 | PVC | – | PVC | ISO 14572 | –40 °C to +105 °C |
| Round cable with reduced core wall thickness | FLRY | 2 – 19 | 0.22 to 4.0 | PVC | – | PVC | ISO 14572 | –40 °C to +105 °C |
| Round cable with complete shielding | FLRY(B/C/D)Y | 1 – 7 | 0.22 to 2.5 | PVC | ** | PVC | ISO 14572 | –40 °C to +105 °C |
| Flat cable | FLRYF | 2 – 4 | 0.22 to 2.5 | PVC | – | PVC | ISO 14572 | –40 °C to +105 °C |
| Twin cable | FLRYZ | 2 | 0.22 to 2.5 | PVC | – | – | ISO 6722 | –40 °C to +105 °C |
| Round cable | FLRY(B/C/D)11Y | 2 – 19 | 0.5 to 4.0 | PVC | ** | TPE-U | ISO 14572 | –40 °C to +105 °C |
| Flat cable | FLRY(Y)11YF | 2 | 0.5 to 1.5 | PVC | – | (PVC)/TPE-U | ISO 14572 | –40 °C to +105 °C |
| Round cable | FLRY91Y | 2 | 0.22 to 0.37 | PVC | – | TPE-O | ISO 14572 | –40 °C to +105 °C |
| Coilable round cable | FLR12Y11Y | 2 – 7 | 0.22 to 1.5 | TPE-E | – | TPE-U | ISO 14572 | –40 °C to +105 °C |
| Cables up to 125 °C | | | | | | | | |
| Round cable | FLRYWY | 2 – 19 | 0.5 to 4.0 | PVC | – | PVC | ISO 14572 | –40 °C to +125 °C |
| Twin cable | FLRYWZ | 2 | 0.22 to 2.5 | PVC | – | – | ISO 14572 | –40 °C to +125 °C |
| Flat cable | FLRYWYWF | 2 – 4 | 0.22 to 2.5 | PVC | – | PVC | ISO 14572 | –40 °C to +125 °C |
| Round cable with and without complete shielding | FLRYW(B/C/D)YW | 1 – 7 | 0.22 to 2.5 | PVC | ** | PVC | ISO 14572 | –40 °C to +125 °C |
| Round cable with and without complete shielding | FLR91Y(B/C/D)11Y | 1 – 7 | 0.22 to 2.5 | TPE-O | ** | TPE-U | ISO 14572 | –40 °C to +125 °C |
| Round cable with and without complete shielding | FLR12Y(B/C/D)11Y | 1 – 7 | 0.22 to 2.5 | TPE-E | ** | TPE-U | ISO 14572 | –40 °C to +125 °C |
| Round cable with and without complete shielding | FLR2X(B/C/D)11Y | 1 – 7 | 0.22 to 2.5 | PE-X | ** | TPE-U | ISO 14572 | –40 °C to +125 °C |
| Cable with EVA insulation | FLR4G11Y | | ≥0.35 | EVA | – | TPE-U | | –40 °C to +125 °C |
| Cable with PE-X insulation | FLR2X11Y | ≥2 | ≥0.35 | PE-X | – | TPE-U | | –40 °C to +125 °C |
| Cable with TPE-S insulation | FLR31Y11Y | ≥2 | ≥0.35 | TPE-S | – | TPE-U | | –40 °C to +125 °C |
| Cold-resistant special cable | FLR5Y(B/C/D)11Y | ≥2 | ≥0.14 | PTFE | ** | TPE-U | ISO 14572 | –60 °C to +125 °C |
| Cables up to 150 °C | | | | | | | | |
| Round cable with and without complete shielding | FLU7Y(B/C/D)11Y | 1 – 7 | 0.14 to 1.0 | ETFE | ** | TPE-U | ISO 14572 | –40 °C to +150 °C |
| Round cable with and without complete shielding | FLU6Y(B/C/D)11Y | 1 – 7 | 0.14 to 1.0 | FEP | ** | TPE-U | ISO 14572 | –40 °C to +150 °C |
| Round cable with and without complete shielding | FLR2X(B/C/D)11Y | 1 – 7 | 0.13 bis 1.0 | PE-X | ** | TPE-U | ISO 14572 | –40 °C to +150 °C |
| Cables above 150 °C | | | | | | | | |
| Round cable with and without complete shielding | FLU7Y(B/C/D)7Y | 1 – 7 | 0.14 to 1.0 | ETFE | ** | ETFE | ISO 14572 | –65 °C to +180 °C |
| Round cable with and without complete shielding | FLU6Y(B/C/D)6Y | 1 – 7 | 0.14 to 1.0 | FEP | ** | FEP | ISO 14572 | –65 °C to +230 °C |
| Sensor cable for high temperature applications | FLR7Y(B/C/D)11Y | ≥2 | ≥0.35 | ETFE | ** | TPE-U | | –40 °C to +150 °C |
| Sensor cable for high temperature applications | FLR7Y(B/C/D)2G | ≥2 | ≥0.14 | ETFE | ** | SIR | ISO 14572 | –40 °C to +180 °C |
| Sensor cable for high temperature applications | FLR6Y(B/C/D)2G | ≥2 | ≥0.14 | FEP | ** | SIR | ISO 14572 | –50 °C to +180 °C |
| Sensor cable for high temperature applications | FLU5Y(B/C/D)2G | ≥2 | ≥0.14 | PTFE | ** | SIR | ISO 14572 | –40 °C to +200 °C |

* Further types upon request.

** The cables are available with B, C and/or D shield.

