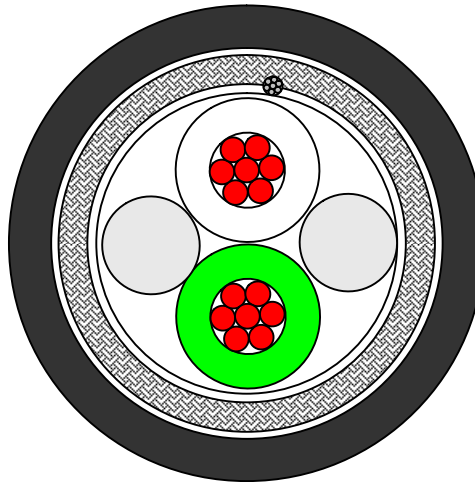




Li-09YS(St)C11Y 2 x 0.35 mm² LSZH

CanBus-Cable



Application

The following CanBus cable is suitable for transmission of CanBus signals according to **ISO 11898-2**. The cable is suited for fixed indoor and outdoor installation and under certain conditions also for mobile use. The cable is halogen free, flame retardant and oil resistant. The sheath material is tested in Hydraulic oil ARAL VITAM 32, Mobil DTE 13 M, Gear oil ARAL DEGOL BG Plus 320 and Tribol 1710/320.

Standards

acc. to customer Specification

Flame resistance

IEC 60332-1 and EN 50265-2-1

Construction

Conductor	stranded bare copper wire, diameter 7 x 0.26 mm (cross section 0.35 mm ²)	Ø 0.78 mm
Insulation	Foam-Skin PP, wall thickness 0.71 mm	Ø 2.2 ± 0.1 mm
Twisting	2 cores + 2 x PP-fillers twisted to the pair	Ø 4.4 mm
Core identification	1x white, 1x green	
Overall screen	1 x PET-Al-foil + tinned stranded drain wires 19 x 0,15 mm + tinned copper braid optical coverage ≥ 65%	Ø 4.6 mm Ø 5.2 mm
Foil	1 x PET-foil under sheath	Ø 5.3 mm
Sheath	PUR Low Smoke Zero Halogen wall thickness 0.75 mm	Ø 6.8 ± 0.2 mm
Sheath colour	black, RAL 9005	
Marking	DRAKA COMTEQ – CanBus -Li-09YS(St)C11Y 2 x 0.35 mm ² + batch number	



Li-09YS(St)C11Y 2 x 0.35 mm² LSZH

Mechanical properties

Bending radius during installation - without load - with load	≥ 5 x Kabeldurchmesser ≥ 10 x Kabeldurchmesser
Operating temperature	- 40°C up to + 85°C
Corrosivity	IEC 60754-2
Testing of oil resistance of PU sheath material acc. to VDE 0282 Part 10 and EN 60811-2-1 and thermal endurance graph (Arrhenius) and life expectancy of PU sheath material acc. to ISO 2578 Requirements after aging: max. change of tensile strength: -50% max. change of elongation at break: -50% Mobil DTE 13 M (Hydraulic oil) Tribol 1710/20 (Gear oil)	150 days at 100°C approx. 24 years at 65°C ≥ 25 years at 20°C 140 days at 100°C approx. 18 years at 65°C ≥ 25 years at 20°C

Electrical properties

at 20°C

Conductor resistance (at 20 ± 5 °C)	≤ 54.5 Ω/km
Characteristic impedance at 1 MHz	120 Ω ± 15%
Insulation resistance (at 20 ± 5 °C and 500 V)	≥ 10 GΩxkm
Test voltage (AC, 1 min) Core/core and core/screen	1.2 kV

Technical data

Product code	Designation	Type	Brand	Cable dia. mm	Weight approx. kg/km	Standard delivery length m	Drum size *PWD	Gross weight kg	Copper content	Tensile force N
1003011 CS2875900	Li-09YS(St)C11Y LSZH	2 x 0.35 mm ²	CanBus	6.8	60	1000	650/200/ 470	67	29	150

*PWD (plywood drum)