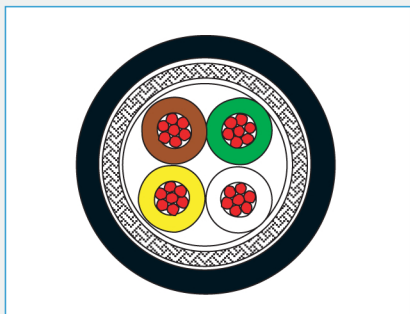


Li-2YC11Y 2 x 2 x 0.22 mm² FRNC

CanBus-Cable



Application

- The following CanBus cable is suitable for transmission of CanBus signals according to **DIN 19245 and EN 50170**
- 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

Fire Rating

- IEC 60332-1, IEC 60332-3, IEC 60754-1/2

Construction

Conductor	stranded bare copper wire, diameter 7 x 0.20 mm	Ø 0.60 mm (cross section 0.22 mm ²)
Insulation	PE, Wall thickness 0.46 mm	Ø 1.75 ± 0.05 mm
Colour code	Pair 1: 1 x white, 1 x brown	
Core identification	Pair 2: 1 x yellow, 1 x green	
Cable lay up	4 cores twisted to a star quad	Ø 4.2 mm
Wrapping	1 x PET-foil, overlapping	Ø 4.3 mm
Overall screen	Tinned copper braid Optical coverage ≥ 85%	Ø 5.0 mm
Foil	1 x PET-foil under sheath	Ø 5.1 mm
Sheath	PUR Low Smoke Zero Halogen	Ø 6.9 ± 0.2 mm
Sheath colour	Black, RAL 9005	
Outer Diameter	Nom. 6.9 mm	
Weight	Nom. 70 kg/km	
Tensile force N	165	

Mechanical Properties

Bending radius - moving application - fixed application	≥ 10 x outer diameter of cable ≥ 5 x outer diameter of cable
Operating temperature	- 40°C up to + 85°C
UV resistance	acc. to IEC60068-2-5
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)	150 days at 100°C approx. 24 years at 65°C ≥ 25 years at 20°C
Tribol 1710/20 (Gear oil)	140 days at 100°C approx. 18 years at 65°C ≥ 25 years at 20°C
Ozone resistance	acc. to EN 60811-2-1, clause 8
Smoke density	acc. to EN 50268-2, IEC61034-1 and 2
Corrosivity	EN 50267-1 and 2, IEC 60754-1 and 2

Electrical Properties at 20°C

Conductor resistance (at 20 ± 5 °C)	≤ 87 Ω/km
Characteristic impedance at 1 MHz	120 Ω ± 15%
Capacitance at 800 Hz (nominal)	41 nF/km
Insulation resistance (at 20 ± 5 °C and 500 V)	≥ 10 GΩxkm
Test voltage (AC, 1 min) Core/core and core/screen	1.2 kV

Ordering Information

P/N	Product Description	P.U
1003018 CS2878600	CanBus, Li-2YC11Y 2 x 2 x 0.22 mm ² FRNC	1000m/drum