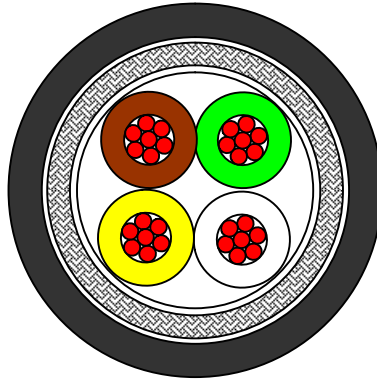




Li-2YC11Y 2 x 2 x 0.22 mm² FRNC

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

Flame resistance

Fire propagation test EN 50265-2-1 IEC 60332-1

Construction

Conductor	stranded bare copper wire, diameter 7 x 0.20 mm (cross section 0.22 mm ²)	∅ 0.60 mm
Insulation	PE, wall thickness 0.46 mm	∅ 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	∅ 4.2 mm
Wrapping	1 x PET-foil, overlapping	∅ 4.3 mm
Overall screen	tinned copper braid ∅ 5.0 mm optical coverage ≥ 85%	
Foil	1 x PET-foil under sheath	∅ 5.1 mm
Sheath	PUR Low Smoke Zero Halogen	∅ 6.9 ± 0.2 mm
Sheath colour	black, RAL 9005	
Marking	DRAKA MULTIMEDIA CABLE Li-2YC11Y 2 x 2 x 0.22 qmm FRNC CANBUS + batch number + meter marking	



Li-2YC11Y 2 x 2 x 0.22 mm² FRNC

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) 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
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

Technical data

Product code	Design -ation	Type	Brand	Cable dia. mm	Weight approx. kg/km	Standard delivery length m	Drum size *PWD	Gross weight kg	Cop -per con -tent	Ten -sile force N
1003018 CS2878600	Li-2YC11Y FRNC	2 x 2 x 0.22 mm ²	CanBus	6.9	70	1000	600/200/ 310	74	30	165

*PWD (plywood drum)