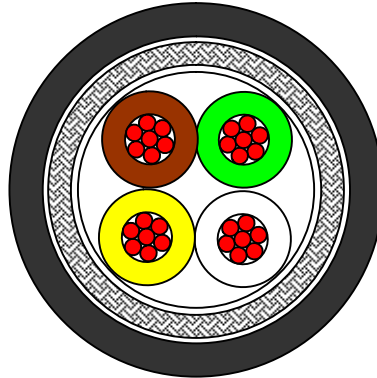


Li-2YC12Y 2 x 2 x 0.22 mm² PBT

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**

Standards

acc. to customer Specification

Flame resistance

Construction

Conductor	stranded bare copper wire, diameter 7 x 0.20 mm \varnothing 0.60 mm (cross section 0.22 mm ²)	
Insulation	PE, wall thickness 0.46 mm	\varnothing 1.75 \pm 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	\varnothing 4.2 mm
Wrapping	1 x PET-foil, overlapping	\varnothing 4.3 mm
Overall screen	tinned copper braid optical coverage \geq 85%	\varnothing 5.0 mm
Foil	1 x Polyester web under sheath	\varnothing 5.1 mm
Sheath	PBT wall thickness 0.65 mm	\varnothing 6.4 \pm 0.2 mm
Sheath colour	black, RAL 9005	
Marking	DRAKA Li-2YC12Y 2 x 2 x 0.22 mm ² CANBUS 120 OHM + batch number + meter marking	

Mechanical properties

Bending radius	
- moving application	\geq 10 x outer diameter of cable
-fixed application	\geq 5 x outer diameter of cable
Operating temperature	- 25°C up to + 70°C
Corrosivity	EN 50267-1 and 2, IEC 60754-1 and 2

Li-2YC12Y 2 x 2 x 0.22 mm² PBT

Li-2YC12Y 2 x 2 x 0.22 mm² PBT

Electrical properties

at 20°C

Conductor resistance (at 20 ± 5 °C)	≤ 87 Ω/km
Characteristic impedance at 1 MHz (connected as star quad)	120 Ω ± 15%
Capacitance at 800 Hz (nominal)	42 nF/km
Attenuation at (connected as star quad)	
0.10 MHz	0.70 dB/100 m
0.50 MHz	1.3 dB/100 m
1 MHz	1.8 dB/100 m
10 MHz	5.3/100 m
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
1003269 CS2869800	Li-2YC12Y	2 x 2 x 0.22 mm ²	CanBus 120 OHM	6.4	49	1000	600/200/310	54	27.1	165

PWD (plywood drum)

[PRODUCT CODE TABLE]

© PRYSMIAN GROUP 2009, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.