



Cables for CAN

Special Features

- High grade connectors
- D-Sub9 female connector, D-Sub9 male connector
- Complies with CiA (102 version 3.0.0)

Description

CAN cables with connectors complying with CiA 102 version 3.0.0 CAN physical layer for industrial applications serve to connect CAN nodes and include each a male and a female connector of type D-Sub9. We only use high quality connectors with gold plated contacts and a minimum mating durability of 200 cycles.

CAN cables are available in different length from 20 cm to 10 m.

Technical Data

The following table shows the assignment of the CAN cable:

Pin	Name	Function	Wire Color
2	CAN_L	CAN data line (dominant low)	yellow
3	GND	Ground	blue & white
6	GND	Ground	grey
7	CAN_H	CAN data line (dominant high)	green
8	ERROR	Error signal (optional)	pink
9	Vcc	Supply voltage	red & brown
1, 4, 5	-	Not connected	-

Nominal Values

Parameter	Maximal	Unit
Core diameter pin 2, pin 6, pin 7, pin 8	0,2	mm ²
Core diameter pin 3, pin 9	0,4	mm ²
Current rating pin 2, pin 6, pin 7, pin 8	2	A
Current rating pin 3 and pin 9	4	A
Operating voltage	300	V

All values, unless otherwise specified, refer to an environmental temperature of maximal 30 °C.

Dimensions

