CAN Bus Cable

Technical data

- **Peak working voltage (not for power applications)** 30 V
- **Conductor resistance**
  max. 57.5 Ohm/km
- **Minimum bending radius**
  Fixed installation: 8 x cable diameter
- **Test voltage (core/core)**: 2000 V
- **Temperature range:** -40°C to 75 °C

Cable structure

- Conductor: stranded 7-wire bare copper conductor
- Insulation: PE, XLPE or FEP
- Color coded in accordance with DIN 47100
  White/brown (two cores)
  green/yellow and white/brown (four cores)
- Braiding: Tinned copper
- Sheath: PVC
- Color: violet (RAL 4001)

Standard:

- CAN standard and customers requirements

Application

CAN bus cable is used to connect controller area to network components. It secures transmission characteristics of 1 Mbit/s up to 40 m and 50 Kbit/s up to 1 km. The flexible feature makes it suitable to be used in industrial environments, machinery equipment and harsh environments.

NO. Pairs x Cross-sec. mm^2 per conductor	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
1 x 2 x 0.22	5.7	16.7	42
2 x 2 x 0.22	7.6	34.8	68
1 x 2 x 0.34	6.8	22.1	55
2 x 2 x 0.34	8.5	46.4	88
1 x 2 x 0.50	7.5	41.6	90
2 x 2 x 0.50	9.7	59.4	106
1 x 2 x 0.75	8.7	52.7	108
2 x 2 x 0.75	11.5	80.6	142