

CAN-BUS CABLES ACC. TO ISO 11898



S CB 626 CAN-Bus cable for cable tracks
S CB 625 Halogen-free CAN-Bus cable for cable tracks

SABIX® CB 620 Halogen-free CAN-Bus cable
SABIX® CB 620 FRNC Halogen-free, flame retardant CAN-Bus cable



Marking for SABIX® CB 620 56202251:
 SAB BRÖCKSKES · D-VIERSEN · SABIX® CB 620 2 x 0,25 mm² CE

CAN-Bus according to ISO 11898. The CAN-Bus cable is applied for the exchange of digital information, control apparatus net (CAN) for faster data transmission/exchange. Application in power supply cable tracks, highly flexible data cables.

| item no. | type | no. of conductors | AWG | nominal outer- ϕ inch | mm | cable weight \approx lbs/ft |
|------------|--------------------|-------------------|------------|----------------------------|-----|-------------------------------|
| ▶ 06262251 | S CB 626 | 2 | 24 (34/38) | 0.248 | 6.3 | 37 |
| ▶ 06252251 | S CB 625 | 2 | 24 (34/38) | 0.319 | 8.1 | 50 |
| ▶ 56202251 | SABIX® CB 620 | 2 | 24 (15/34) | 0.224 | 5.7 | 24 |
| ▶ 66202251 | SABIX® CB 620 FRNC | 2 | 24 (15/34) | 0.224 | 5.7 | 28 |

Other dimensions and colors are possible on request.

General construction:

| | |
|--------------------|------------------------|
| Color code: | acc. to DIN VDE 47100 |
| Screen: | tinned copper braiding |

Technical data:

| | |
|---|--|
| Peak operating voltage: | max. 350 V |
| Testing voltage: | 1500 V |
| Min. bending radius: | 7.5 x O.D. |
| Characteristic impedance at 1 MHz: | 120 Ω (95 - 140 Ω) |
| Absence of harmful substances: | acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/28 |

| | S CB 626 | S CB 625 | SABIX® CB 620 | SABIX® CB 620 FRNC |
|---|---|---|---|--|
| ▶ Conductor: | bare copper strands extra fine wires | bare copper strands extra fine wires | bare copper strands acc. to DIN VDE 0812 | bare copper strands acc. to DIN VDE 0812 |
| ▶ Insulation: | FEP | TPE-E | SABIX® 336 | SABIX® 336 |
| ▶ Wrapping: | non-woven tape | non-woven tape | PETP foil | PETP foil |
| ▶ Wrapping: | non-woven tape | non-woven tape | - | - |
| ▶ Outer jacket (purple): | PUR, TMPU acc. to DIN VDE 0282 part 10 with rough surface | PUR, TMPU acc. to DIN VDE 0282 part 10 with rough surface | SABIX® 322 | SABIX® 230 |
| ▶ Radiation resistance: | 5 x 10 ⁷ cJ/kg | 5 x 10 ⁷ cJ/kg | 5 x 10 ⁶ cJ/kg | - |
| ▶ Temperature range <i>static:</i> <i>flexing:</i> | -50/+90°C -40/+90°C | -50/+90°C -40/+90°C | -50/+90°C -40/+90°C | -40/+85°C -30/+85°C |
| ▶ Zero halogen: | - | acc. to DIN VDE 0472 part 815 + IEC60754-1 | acc. to DIN VDE 0472 part 815 + IEC60754-1 | acc. to DIN VDE 0472 part 815 + IEC60754-1 |
| ▶ Burning characteristics: flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2 | - | - | - | X |
| ▶ Corrosivity: in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases | - | X | X | X |
| ▶ Smoke density: | - | - | low | acc. to IEC 61034 and EN 61034 |
| ▶ Oil resistance: | very good - TMPU acc. to DIN VDE 0282 part 10 | very good - TMPU acc. to DIN VDE 0282 part 10 | very good - TM5 acc. to DIN VDE 0281 part 1 | - |
| ▶ Flexibility: | very good | very good | very good | good |
| ▶ Application in cable tracks: | recommended | recommended | not recommended | not recommended |
| ▶ Chemical resistance: good against acids, alkalines, solvents, hydraulic liquids etc. | X | X | - | - |
| ▶ Weather resistance: | very good | very good | good | good |
| ▶ Bending characteristics: number of bends acc. to. DIN VDE 0472 part 603 test method H | min. 250.000 single bendings | min. 500.000 single bendings | min. 60.000 single bendings | - |