

CAN-Bus cables acc. to ISO 11898



CB 627 CAN-Bus cable with UL recognition

S CB 628 halogen-free CAN-Bus cable for cable tracks with UL recognition



marking example:

SAB BRÜCKSKES · D-VIERSEN · 06282251 1x2x0,25mm² S CB 628 24 AWG/1pr AWM Style 20233 80°C 300 V CE

| Construction: | CB 627 | S CB 628 |
|------------------------|---|--|
| Dimension: | 2 x 0,25 mm ² , 2 x 0,34 mm ² , 2 x 0,50 mm ² , 2 x 0,75 mm ² , 2 x 2 x 0,25 mm ² , 2 x 2 x 0,34 mm ² , 2 x 2 x 0,50 mm ² , 2 x 2 x 0,75 mm ² | 2 x 0,25 mm ² , 2 x 0,34 mm ² , 2 x 0,50 mm ² , 2 x 2 x 0,25 mm ² , 2 x 2 x 0,34 mm ² , 2 x 2 x 0,50 mm ² |
| Conductor: | bare copper strands with reference to VDE 0812 | bare copper strands, extra fine wires |
| Insulation: | PE, 2Y11 acc. to EN 50290-2-23 + VDE 0819-103 | |
| Colour code: | acc. to DIN 47100 | |
| Wrapping: | PETP-foil | non-woven tape |
| Inner sheath (nature): | – | SABIX® |
| Screen: | tinned copper braiding | |
| Sheath material: | PVC, TM5 acc. to EN 50363-4-1 | PUR, TMPU acc. to EN 50363-10-2 with rough surface |
| Sheath colour: | redlilac (RAL 4001) | |

| Technical data: | CB 627 | S CB 628 |
|------------------------------------|---|---|
| Dimension: | 0627-2251, 0627-2341, 0627-2501, 0627-2751, 0627-4251, 0627-4341, 0627-4501, 0627-4751 | 0628-2251, 0628-2341, 0628-2501, 0628-4251, 0628-4341, 0628-4501 |
| Peak operating voltage: | max. 350 V | |
| Voltage UL: | 300 V | |
| Testing voltage core/core: | 2000 V | |
| core/screen: | 2000 V | |
| Min. bending radius: | 7,5 x d | |
| Radiation resistance: | 8 x 10 ⁷ cJ/kg | 5 x 10 ⁷ cJ/kg |
| Temperature range fixed laying: | UL: up to +80 °C -30/+70 °C | UL: up to +80 °C -40/+70 °C |
| flexible application: | -5/+70 °C | -40/+70 °C |
| Halogen-free: | – | acc. to IEC 60754-1 + VDE 0482-754-1 |
| Fire performance: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 | |
| Oil resistance: | very good acc. to VDE 0207-5 | very good acc. to EN 50363-10-2 + VDE 0207-363-10-2 |
| Chemical resistance: | – | good against acids, alkalines, solvents, hydraulic liquids etc. |
| Characteristic impedance: | 120 Ω (95 - 140 Ω) | |
| Flexibility: | good | very good |
| Application in cable tracks: | not recommended | recommended |
| Weather resistance: | medium | very good |
| UL Style: | 2464 | 20233 |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see chapter N „Technical data“ | |

| item no. | type | dimension | outer-Ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|----------|------------------------------|------------------------|---------------------------|----------------------------|
| 06272251 | CB 627 | 2 x 0,25 mm ² | 6,1 | 19,0 | 44 |
| 06272341 | CB 627 | 2 x 0,34 mm ² | 6,4 | 21,8 | 48 |
| 06272501 | CB 627 | 2 x 0,50 mm ² | 7,7 | 28,4 | 67 |
| 06272751 | CB 627 | 2 x 0,75 mm ² | 9,6 | 39,6 | 91 |
| 06282251 | S CB 628 | 2 x 0,25 mm ² | 7,9 | 20,2 | 77 |
| 06282341 | S CB 628 | 2 x 0,34 mm ² | 8,3 | 22,9 | 84 |
| 06282501 | S CB 628 | 2 x 0,50 mm ² | 8,7 | 29,0 | 81 |
| 06274251 | CB 627 | 2 x 2 x 0,25 mm ² | 7,3 | 27,4 | 61 |
| 06274341 | CB 627 | 2 x 2 x 0,34 mm ² | 7,7 | 33,5 | 67 |
| 06274501 | CB 627 | 2 x 2 x 0,50 mm ² | 9,8 | 44,4 | 104 |
| 06274751 | CB 627 | 2 x 2 x 0,75 mm ² | 13,5 | 80,8 | 179 |
| 06284251 | S CB 628 | 2 x 2 x 0,25 mm ² | 9,1 | 27,9 | 98 |
| 06284341 | S CB 628 | 2 x 2 x 0,34 mm ² | 9,6 | 32,7 | 105 |
| 06284501 | S CB 628 | 2 x 2 x 0,50 mm ² | 10,6 | 44,9 | 115 |

Other dimensions and colours are possible on request.