

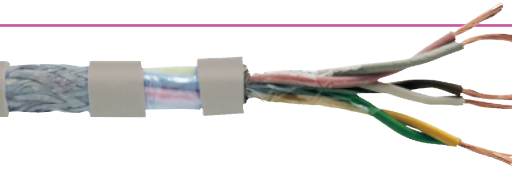
Cable Track Cable

SD 980 CP TP

continuously flexible paired TPE/PUR data cable with coloured cores and overall copper screen



WM I/II A/B 80°C 300V FT1 FT2 CE



Marking for SD 980 CP TP 77890725:

SAB BRÜCKSKES · D-VIERSEN · 77890325 3 x 2 x 0,25 mm² SD 980 CP TP 24 AWG/3pr 77892403

AWM Style 21198 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

Construction:

| | |
|-------------------------|--|
| Conductor: | bare copper strands, extra fine wires |
| Insulation: | TPE |
| Colour code: | with reference to DIN 47100 |
| Stranding: | cores twisted to pairs, pairs twisted in specially adjusted layering with netting tape over each layer |
| Screen: | tinned copper braiding |
| Wrapping: | non-woven tape |
| Sheath material: | PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with mat surface |
| Sheath colour: | grey (RAL 7032) |

Technical Data:

| | | |
|---|---|-----------------------------|
| Peak operating voltage: | max. 350 V | |
| Voltage UL/CSA: | 300 V | |
| Testing voltage: | core/core | 2000 V |
| | core/screen | 2000 V |
| Min. bending radius <i>continuously flexible:</i> | 7,5 x d | |
| Radiation resistance: | 5 x 10 ⁷ cJ/kg | |
| Temperature range <i>fixed laying:</i> | DIN VDE | UL/CSA: up to +80 °C |
| <i>flexible application:</i> | -50/+90 °C -40/+90 °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, CSA FT1 (acc. to dimension), FT2 | |
| Oil resistance: | very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 | |
| Chem. resistance: | good against acids, alkalines, solvents, hydraulic liquids etc. | |
| Continuous flexibility: | very good | |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see chapter N „Technical data“ | |

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Outstanding features:



- PWIS uncritical
(PWIS = paint-wetting impairment substances)
- halogen-free
- flexible at low temperatures
- travel > 10 m is possible
- high abrasion resistance
- small bending radius
- good EMC characteristics

| item no. | no. of pairs x cross section n x 2 x mm ² | largest single wire ø mm | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|------------------------|---------------------------|----------------------------|
| 77890214 | 2 x 2 x 0,14 | 0,11 | 5,1 | 19,3 | 34 |
| 77890314 | 3 x 2 x 0,14 | 0,11 | 5,6 | 22,1 | 39 |
| 77890414 | 4 x 2 x 0,14 | 0,11 | 6,3 | 26,8 | 47 |
| 77890514 | 5 x 2 x 0,14 | 0,11 | 6,7 | 31,1 | 53 |
| 77890714 | 7 x 2 x 0,14 | 0,11 | 7,2 | 38,5 | 64 |
| 77891014 | 10 x 2 x 0,14 | 0,11 | 8,4 | 50,7 | 83 |
| 77891414 | 14 x 2 x 0,14 | 0,11 | 9,3 | 66,6 | 105 |
| 77891814 | 18 x 2 x 0,14 | 0,11 | 10,3 | 96,0 | 136 |
| 77892514 | 25 x 2 x 0,14 | 0,11 | 11,7 | 121,6 | 174 |
| 77890225 | 2 x 2 x 0,25 | 0,11 | 5,6 | 23,6 | 42 |
| 77890325 | 3 x 2 x 0,25 | 0,11 | 6,2 | 30,4 | 52 |
| 77890425 | 4 x 2 x 0,25 | 0,11 | 6,9 | 38,7 | 60 |
| 77890525 | 5 x 2 x 0,25 | 0,11 | 7,4 | 43,8 | 68 |
| 77890725 | 7 x 2 x 0,25 | 0,11 | 7,9 | 57,2 | 85 |
| 77891025 | 10 x 2 x 0,25 | 0,11 | 9,2 | 74,3 | 110 |
| 77891425 | 14 x 2 x 0,25 | 0,11 | 10,9 | 115,1 | 157 |
| 77891825 | 18 x 2 x 0,25 | 0,11 | 11,6 | 140,7 | 188 |
| 77892525 | 25 x 2 x 0,25 | 0,11 | 14,0 | 205,5 | 275 |
| 77890234 | 2 x 2 x 0,34 | 0,11 | 5,9 | 29,0 | 48 |
| 77890334 | 3 x 2 x 0,34 | 0,11 | 6,5 | 37,2 | 60 |
| 77890434 | 4 x 2 x 0,34 | 0,11 | 7,4 | 45,9 | 72 |
| 77890534 | 5 x 2 x 0,34 | 0,11 | 7,9 | 56,3 | 81 |
| 77890734 | 7 x 2 x 0,34 | 0,11 | 8,5 | 69,5 | 98 |

| item no. | no. of pairs x cross section n x 2 x mm ² | largest single wire ø mm | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|------------------------|---------------------------|----------------------------|
| 77891034 | 10 x 2 x 0,34 | 0,11 | 9,9 | 94,5 | 130 |
| 77891434 | 14 x 2 x 0,34 | 0,11 | 11,6 | 145,7 | 186 |
| 77891834 | 18 x 2 x 0,34 | 0,11 | 12,5 | 177,1 | 223 |
| 77892534 | 25 x 2 x 0,34 | 0,11 | 14,7 | 260,3 | 320 |
| 77890250 | 2 x 2 x 0,50 | 0,11 | 6,8 | 36,9 | 60 |
| 77890350 | 3 x 2 x 0,50 | 0,11 | 7,6 | 50,2 | 79 |
| 77890450 | 4 x 2 x 0,50 | 0,11 | 8,7 | 64,6 | 98 |
| 77890550 | 5 x 2 x 0,50 | 0,11 | 9,4 | 77,0 | 113 |
| 77890750 | 7 x 2 x 0,50 | 0,11 | 10,3 | 114,8 | 148 |
| 77891050 | 10 x 2 x 0,50 | 0,11 | 12,1 | 150,6 | 197 |
| 77891450 | 14 x 2 x 0,50 | 0,11 | 14,3 | 220,4 | 282 |
| 77891850 | 18 x 2 x 0,50 | 0,11 | 16,1 | 270,8 | 363 |
| 77892550 | 25 x 2 x 0,50 | 0,11 | 18,0 | 351,3 | 460 |
| 77890275 | 2 x 2 x 0,75 | 0,11 | 7,7 | 50,2 | 79 |
| 77890375 | 3 x 2 x 0,75 | 0,11 | 8,8 | 69,4 | 98 |
| 77890475 | 4 x 2 x 0,75 | 0,11 | 9,9 | 86,8 | 121 |
| 77890575 | 5 x 2 x 0,75 | 0,11 | 11,1 | 126,0 | 161 |
| 77890775 | 7 x 2 x 0,75 | 0,11 | 11,9 | 155,3 | 189 |
| 77891075 | 10 x 2 x 0,75 | 0,11 | 14,7 | 241,1 | 303 |
| 77891475 | 14 x 2 x 0,75 | 0,11 | 17,3 | 312,0 | 403 |
| 77891875 | 18 x 2 x 0,75 | 0,11 | 18,6 | 382,6 | 486 |
| 77892575 | 25 x 2 x 0,75 | 0,11 | 22,7 | 499,0 | 704 |

Other dimensions and colours are possible on request.



Possible on request:

- with coloured cores
acc. to colour code US 3