

# Cable Track Cable

## SD 960 CY

continuously flexible PVC data cable with coloured cores and overall copper screen



Marking for SD 960 CY 07852502:

SAB BRÜCKSKES · D-VIERSEN · 07852502 25 x 0,25 mm<sup>2</sup> SD 960 CY 24 AWG/25c 07852425 AWM Style 21083 80°C 300V CE

### Construction:

|                         |  |
|-------------------------|--|
| <b>Conductor:</b>       | bare copper strands, extra fine wires                              |
| <b>Insulation:</b>      | PVC, TI2<br>acc. to EN 50363-3 + VDE 0207-363-3                    |
| <b>Colour code:</b>     | acc. to colour code US 2,<br>see chapter N „Technical data“        |
| <b>Stranding:</b>       | specially adjusted layering with<br>non-woven tape over each layer |
| <b>Wrapping:</b>        | non-woven tape   |
| <b>Screen:</b>          | tinned copper braiding   |
| <b>Wrapping:</b>        | non-woven tape   |
| <b>Sheath material:</b> | PVC, TM2<br>acc. to EN 50363-3 + VDE 0207-363-3                    |
| <b>Sheath colour:</b>   | black (RAL 9005)   |

### Technical Data:

|   |  |                         |
|---|--|-------------------------|
| <b>Peak operating voltage:</b>                              | max. 350 V   |                         |
| <b>Voltage UL:</b>  | 300 V  |                         |
| <b>Testing voltage:</b>                                     | core/core  | 1500 V                  |
|   | core/screen  | 1200 V                  |
| <b>Min. bending radius</b><br><i>continuously flexible:</i> | 7,5 x d  |                         |
| <b>Radiation resistance:</b>                                | 8 x 10 <sup>7</sup> cJ/kg  |                         |
| <b>Temperature range</b>                                    | <b>DIN VDE</b>   | <b>UL:</b> up to +80 °C |
| <i>fixed laying:</i>  | -30/+70 °C   |                         |
| <i>flexible application:</i>                                | -5/+70 °C  |                         |
| <b>Fire performance:</b>                                    | flame retardant and self-extinguishing<br>acc. to IEC 60332-1-2 + VDE 0482-332-1-2,<br>UL VW-1 |                         |
| <b>Oil resistance:</b>                                      | acc. to our internal standard,<br>see chapter N „Technical data“                               |                         |
| <b>Absence of harmful substances:</b>                       | acc. to RoHS directive of the European Union,<br>see chapter N „Technical data“                |                         |

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### Outstanding features:



- very good EMC characteristics
- very good flexibility
- small bending radius

| item no. | no. of cores<br>x cross section<br>n x mm <sup>2</sup> | largest<br>single wire<br>ø mm | outer-ø<br>± 10%<br>mm | copper<br>figure<br>kg/km | cable<br>weight<br>≈ kg/km |
|----------|--|--------------------------------|------------------------|---------------------------|----------------------------|
| 07850201 | 2 x 0,14   | 0,11                           | 4,5                    | 13,8                      | 26                         |
| 07850301 | 3 x 0,14   | 0,11                           | 4,7                    | 15,7                      | 30                         |
| 07850401 | 4 x 0,14   | 0,11                           | 5,2                    | 19,4                      | 35                         |
| 07850501 | 5 x 0,14   | 0,11                           | 5,6                    | 22,6                      | 42                         |
| 07850701 | 7 x 0,14   | 0,11                           | 6,4                    | 26,1                      | 56                         |
| 07851001 | 10 x 0,14  | 0,11                           | 7,5                    | 45,7                      | 67                         |
| 07851401 | 14 x 0,14  | 0,11                           | 8,5                    | 56,4                      | 89                         |
| 07851801 | 18 x 0,14  | 0,11                           | 9,3                    | 64,7                      | 109                        |
| 07852501 | 25 x 0,14  | 0,11                           | 11,0                   | 84,4                      | 149                        |
| 07850202 | 2 x 0,25   | 0,11                           | 4,9                    | 18,0                      | 30                         |
| 07850302 | 3 x 0,25   | 0,11                           | 5,2                    | 20,7                      | 36                         |
| 07850402 | 4 x 0,25   | 0,11                           | 5,5                    | 25,5                      | 42                         |
| 07850502 | 5 x 0,25   | 0,11                           | 6,2                    | 28,3                      | 53                         |
| 07850702 | 7 x 0,25   | 0,11                           | 7,1                    | 46,3                      | 64                         |

| item no. | no. of cores<br>x cross section<br>n x mm <sup>2</sup> | largest<br>single wire<br>ø mm | outer-ø<br>± 10%<br>mm | copper<br>figure<br>kg/km | cable<br>weight<br>≈ kg/km |
|----------|--|--------------------------------|------------------------|---------------------------|----------------------------|
| 07851002 | 10 x 0,25  | 0,11                           | 8,5                    | 61,7                      | 90                         |
| 07851402 | 14 x 0,25  | 0,11                           | 9,2                    | 72,1                      | 112                        |
| 07851802 | 18 x 0,25  | 0,11                           | 10,1                   | 93,2                      | 137                        |
| 07852502 | 25 x 0,25  | 0,11                           | 12,5                   | 115,8                     | 200                        |
| 07850203 | 2 x 0,34   | 0,11                           | 5,1                    | 19,9                      | 33                         |
| 07850303 | 3 x 0,34   | 0,11                           | 5,4                    | 25,4                      | 39                         |
| 07850403 | 4 x 0,34   | 0,11                           | 5,8                    | 29,1                      | 46                         |
| 07850503 | 5 x 0,34   | 0,11                           | 6,4                    | 44,5                      | 59                         |
| 07850703 | 7 x 0,34   | 0,11                           | 7,4                    | 54,9                      | 73                         |
| 07851003 | 10 x 0,34  | 0,11                           | 8,8                    | 70,9                      | 102                        |
| 07851403 | 14 x 0,34  | 0,11                           | 9,6                    | 86,8                      | 128                        |
| 07851803 | 18 x 0,34  | 0,11                           | 10,8                   | 109,4                     | 169                        |
| 07852503 | 25 x 0,34  | 0,11                           | 13,0                   | 139,1                     | 228                        |

Other dimensions and colours are possible on request.

### Possible on request:



- in dimensions  
0,50 mm<sup>2</sup> and 0,75 mm<sup>2</sup>
- with grey outer sheath  
and coloured cores  
with reference to DIN 47100