

## SECUREX DC 315 H C1

Halogen free data cable with shielding, C1 according to NF C 32070, and CPR B2ca s1a d1 a1 LIHCH style



Marking for SECUREX DC 315 H C1:

SAB BRÖCKSKES · D-VIERSEN · SAB-CABLES SECUREX DC 315 H C1 NFC 32070 C1 CE

### Construction:

|                         |  |
|-------------------------|--|
| <b>Conductor:</b>       | bare copper strands, class 5<br>acc. to IEC 60228 + EN 60228 |
| <b>Insulation:</b>      | LSZH   |
| <b>Color code:</b>      | DIN 47100, see below   |
| <b>Stranding:</b>       | in layers with fillers if necessary<br>+ PET tape            |
| <b>Shielding:</b>       | tinned copper braiding                                       |
| <b>Jacket material:</b> | LSZH   |
| <b>Jacket color:</b>    | grayish tan (RAL 7032)                                       |

### Technical data:

|  |  |
|--|--|
| <b>Nominal voltage:</b>                      | Uo/U 300/500 V   |
| <b>Testing voltage:</b>                      | conductor/conductor: 1200 V<br>conductor/shielding: 800 V  |
| ≤ 1.00 mm <sup>2</sup> :                     | conductor/conductor: 2500 V<br>conductor/shielding: 2000 V   |
| > 1.00 mm <sup>2</sup> :                     |  |
| <b>Min. bending radius:</b>                  |  |
| <i>fixed installation:</i>                   | 6 x O.D.   |
| <i>free movement:</i>                        | 12.5 x O.D.  |
| <b>Temperature range:</b>                    |  |
| <i>static:</i>                               | -40/+80°C  |
| <i>flexible:</i>                             | -15/+70°C  |
| <b>Halogen free:</b>                         | acc. EN 60754-1 + IEC 60754-1  |
| <b>CPR:</b>                                  | B2ca s1a d1 a1   |
| <b>Burning characteristics:</b>              | flame retardant<br>acc. to EN 60332-1-2 + IEC 60332-1-2<br>no flame propagation<br>acc. to IEC 60332-3-24 + EN 60332-3-24<br>+ NF C 32070 C1 |
| <b>Corrosiveness of conflagration gases:</b> | acc. to EN 60754-2 + IEC 60754-2   |
| <b>Smoke density:</b>                        | acc. to EN 61034-2 + IEC 61034-2   |
| <b>Approvals:</b>                            | CE, RoHS   |
| <b>Absence of harmful substances:</b>        | acc. to RoHS directive of the European Union<br>see page O/30  |

### Outstanding features:



- LSZH and flexible
- NF C 32-070 C1
- B2ca s1a d1 a1
- good EMC characteristics
- good fire performance
- LIHCH

| item no.                              | no. of conductors | outer-ø |     | cable weight |
|---------------------------------------|-------------------|---------|-----|--------------|
|                                       |                   | inch    | mm  | ≈lbs/mft     |
| <b>▶ 24 AWG ▪ 0.25 mm<sup>2</sup></b> |                   |         |     |              |
| 83150225R                             | 2                 | 0.201   | 5.1 | 26           |
| 83150325R                             | 3                 | 0.205   | 5.2 | 29           |
| 83150425R                             | 4                 | 0.217   | 5.5 | 33           |
| 83150525R                             | 5                 | 0.230   | 5.9 | 38           |
| 83150625R                             | 6                 | 0.246   | 6.3 | 44           |
| 83150725R                             | 7                 | 0.246   | 6.3 | 45           |
| 83151225R                             | 12                | 0.309   | 7.9 | 69           |
| <b>▶ 22 AWG ▪ 0.34 mm<sup>2</sup></b> |                   |         |     |              |
| 83150234R                             | 2                 | 0.201   | 5.1 | 27           |
| 83150334R                             | 3                 | 0.213   | 5.4 | 32           |
| 83150434R                             | 4                 | 0.236   | 6.0 | 40           |
| 83150534R                             | 5                 | 0.256   | 6.5 | 48           |
| 83150734R                             | 7                 | 0.276   | 7.0 | 57           |
| 83151234R                             | 12                | 0.358   | 9.1 | 93           |

| item no.                              | no. of conductors | outer-ø |      | cable weight |
|---------------------------------------|-------------------|---------|------|--------------|
|                                       |                   | inch    | mm   | ≈lbs/mft     |
| <b>▶ 20 AWG ▪ 0.50 mm<sup>2</sup></b> |                   |         |      |              |
| 83150250R                             | 2                 | 0.224   | 5.7  | 36           |
| 83150350R                             | 3                 | 0.240   | 6.1  | 40           |
| 83150450R                             | 4                 | 0.260   | 6.6  | 48           |
| 83150550R                             | 5                 | 0.295   | 7.5  | 62           |
| 83150750R                             | 7                 | 0.319   | 8.1  | 75           |
| 83150850R                             | 8                 | 0.362   | 9.2  | 95           |
| 83151250R                             | 12                | 0.406   | 10.3 | 118          |
| 83151850R                             | 18                | 0.470   | 12.0 | 165          |
| 83152450R                             | 24                | 0.528   | 13.4 | 210          |
| <b>▶ 19 AWG ▪ 0.75 mm<sup>2</sup></b> |                   |         |      |              |
| 83150275R                             | 2                 | 0.236   | 6.0  | 40           |
| 83150375R                             | 3                 | 0.248   | 6.3  | 45           |
| 83150475R                             | 4                 | 0.268   | 6.8  | 54           |
| 83150575R                             | 5                 | 0.299   | 7.6  | 69           |
| 83150775R                             | 7                 | 0.323   | 8.2  | 84           |
| 83151275R                             | 12                | 0.421   | 10.7 | 136          |
| 83152575R                             | 25                | 0.583   | 14.8 | 276          |

| item no.                              | no. of conductors | outer-ø |      | cable weight |
|---------------------------------------|-------------------|---------|------|--------------|
|                                       |                   | inch    | mm   | ≈lbs/mft     |
| <b>▶ 18 AWG ▪ 1.00 mm<sup>2</sup></b> |                   |         |      |              |
| 83150280R                             | 2                 | 0.248   | 6.3  | 45           |
| 83150380R                             | 3                 | 0.264   | 6.7  | 53           |
| 83150480R                             | 4                 | 0.291   | 7.4  | 66           |
| 83150580R                             | 5                 | 0.315   | 8.0  | 79           |
| 83150780R                             | 7                 | 0.343   | 8.7  | 99           |
| 83151280R                             | 12                | 0.449   | 11.4 | 162          |
| 83151980R                             | 19                | 0.539   | 13.7 | 248          |
| 83152780R                             | 27                | 0.657   | 16.7 | 354          |

Other dimensions and colors are available on request

#### DIN 47100 color code:

#1- white, #2- brown, #3- green, #4- yellow, #5- gray, #6- pink, #7- blue, #8- red, #9- black, #10- violet, #11- gray-pink, #12- red-blue, #13- white-green, #14- brown-green, #15- white-yellow, #16- yellow-brown, #17- white-gray, #18- gray-brown, #19- white-pink, #20- pink-brown, #21- white-blue, #22- brown-blue, #23- white-red, #24- brown-red, #25- white-black, #26- brown-black, #27- gray-green