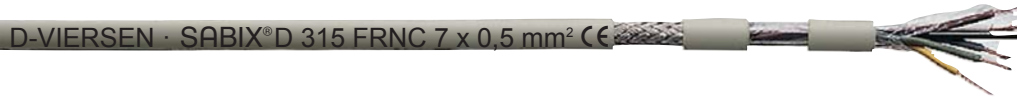


# HALOGEN-FREE CABLES



## SABIX® D 315 FRNC Flexible data cable with improved fire performance, overall copper screen and extended temperature range



Marking for SABIX® D 315 FRNC 63150750:  
SAB BRÖCKSKES · D-VIERSEN · SABIX® D 315 FRNC 7 x 0,5 mm² CE

SABIX® D 315 FRNC is a halogen free, flexible, flame retardant, tinned copper shielded, multi-conductor data cable designed for use in electronics of data processing systems, weighing installations and office appliances. In case of a fire no corrosive gases are produced. This cable is particularly suitable for use where human life and valuable property are exposed to an extremely high risk of fire.

### Construction:

|                         |   |
|-------------------------|---|
| <b>Conductor:</b>       | bare copper strands<br>with reference to DIN VDE 0812 |
| <b>Insulation:</b>      | SABIX® 336  |
| <b>Color code:</b>      | with reference to DIN 47100                           |
| <b>Stranding:</b>       | in layers   |
| <b>Wrapping:</b>        | PETP foil   |
| <b>Screen:</b>          | tinned copper braiding                                |
| <b>Jacket material:</b> | SABIX® FRNC   |
| <b>Jacket color:</b>    | gray  |

### Outstanding features:

- halogen-free
- good EMC characteristics\*
- no flame propagation
- flame retardant and self-extinguishing

\* Copper braiding should be connected circularly to optimize the EMC characteristics

### Technical data:

|  |   |
|--|---|
| <b>Peak operating voltage:</b>                           | < 24 AWG = max. 350 V<br>≥ 24 AWG = max. 500 V  |
| <b>Testing voltage:</b>                                  | < 24 AWG = 800 V<br>≥ 24 AWG = 1200 V   |
| <b>Min. bending radius</b><br><i>fixed installation:</i> | 5 x O.D.  |
| <i>free movement:</i>                                    | 10 x O.D.   |
| <b>Temperature range</b><br><i>static:</i>               | -40/+85 °C  |
| <i>flexing:</i>  | -30/+85 °C  |
| <b>Zero halogen:</b>                                     | acc. to DINVDE 0472 part 815 and IEC 60754-1  |
| <b>Burning characteristics:</b>                          | no flame propagation acc. to IEC 60332<br>+ EN 60332 cat. C resp. D.<br>Flame retardant and self-extinguishing acc. to<br>IEC 60332-1-2 and EN 60332-1-2. |
| <b>Corrosivity:</b>                                      | in compliance with IEC 60754-2<br>and EN 50267-2-2 + VDE 0482 part 267-2-2 -<br>no development of corrosive conflagration gases                           |
| <b>Smoke density:</b>                                    | acc. to IEC 61034 + EN 61034  |
| <b>Flexibility:</b>                                      | good  |
| <b>Absence of harmful substances:</b>                    | acc. to RoHS directive of the European Union<br>see page N/28   |

| item no.  | no. of conductors | nominal outer-<br>inch | outer-<br>mm | cable weight<br>≈ lbs/mft | item no.  | no. of conductors | nominal outer-<br>inch | outer-<br>mm | cable weight<br>≈ lbs/mft | item no.                                       | no. of conductors | nominal outer-<br>inch | outer-<br>mm | cable weight<br>≈ lbs/mft |
|---|-------------------|------------------------|--------------|---------------------------|---|-------------------|------------------------|--------------|---------------------------|--|-------------------|------------------------|--------------|---------------------------|
| <b>▶ 26 AWG (≈ 18/38) • 0.14 mm<sup>2</sup></b> |                   |                        |              |                           | <b>▶ 24 AWG (≈ 14/34) • 0.25 mm<sup>2</sup></b> |                   |                        |              |                           | <b>▶ 22 AWG (≈ 7/30) • 0.34 mm<sup>2</sup></b> |                   |                        |              |                           |
| 63150214  | 2                 | 0.150                  | 3.8          | 15                        | 63150225  | 2                 | 0.161                  | 4.1          | 17                        | 63150234                                       | 2                 | 0.185                  | 4.7          | 23                        |
| 63150314  | 3                 | 0.157                  | 4.0          | 17                        | 63150325  | 3                 | 0.169                  | 4.3          | 19                        | 63150334                                       | 3                 | 0.201                  | 5.1          | 28                        |
| 63150414  | 4                 | 0.165                  | 4.2          | 18                        | 63150425  | 4                 | 0.181                  | 4.6          | 22                        | 63150434                                       | 4                 | 0.217                  | 5.5          | 32                        |
| 63150514  | 5                 | 0.177                  | 4.5          | 22                        | 63150525  | 5                 | 0.201                  | 5.1          | 29                        | 63150534                                       | 5                 | 0.232                  | 5.9          | 37                        |
| 63150714  | 7                 | 0.189                  | 4.8          | 26                        | 63150725  | 7                 | 0.217                  | 5.5          | 34                        | 63150734                                       | 7                 | 0.268                  | 6.8          | 49                        |
| 63150814  | 8                 | 0.220                  | 5.6          | 31                        | 63150825  | 8                 | 0.256                  | 6.5          | 44                        | 63150834                                       | 8                 | 0.299                  | 7.6          | 58                        |
| 63151014  | 10                | 0.236                  | 6.0          | 34                        | 63151025  | 10                | 0.276                  | 7.0          | 50                        | 63151034                                       | 10                | 0.323                  | 8.2          | 65                        |
| 63151214  | 12                | 0.260                  | 6.6          | 43                        | 63151225  | 12                | 0.283                  | 7.2          | 54                        | 63151234                                       | 12                | 0.331                  | 8.4          | 72                        |
| 63151414  | 14                | 0.268                  | 6.8          | 46                        | 63151425  | 14                | 0.295                  | 7.5          | 60                        | 63151434                                       | 14                | 0.346                  | 8.8          | 79                        |
| 63151614  | 16                | 0.280                  | 7.1          | 51                        | 63151625  | 16                | 0.307                  | 7.8          | 66                        | 63151634                                       | 16                | 0.362                  | 9.2          | 87                        |
| 63151814  | 18                | 0.291                  | 7.4          | 55                        | 63151825  | 18                | 0.323                  | 8.2          | 73                        | 63151834                                       | 18                | 0.382                  | 9.7          | 97                        |
| 63152114  | 21                | 0.315                  | 8.0          | 56                        | 63152125  | 21                | 0.346                  | 8.8          | 82                        | 63152134                                       | 21                | 0.421                  | 10.7         | 119                       |
| 63152414  | 24                | 0.315                  | 8.0          | 60                        | 63152425  | 24                | 0.366                  | 9.3          | 87                        | 63152434                                       | 24                | 0.445                  | 11.3         | 130                       |
| 63152714  | 27                | 0.339                  | 8.6          | 70                        | 63152725  | 27                | 0.374                  | 9.5          | 95                        | 63152734                                       | 27                | 0.453                  | 11.5         | 139                       |
| 63153014  | 30                | 0.346                  | 8.8          | 75                        | 63153025  | 30                | 0.386                  | 9.8          | 102                       | 63153034                                       | 30                | 0.469                  | 11.9         | 149                       |
| 63153214  | 32                | 0.358                  | 9.1          | 79                        | 63153225  | 32                | 0.398                  | 10.1         | 108                       | 63153234                                       | 32                | 0.500                  | 12.7         | 166                       |
| 63153614  | 36                | 0.370                  | 9.4          | 86                        | 63153625  | 36                | 0.421                  | 10.7         | 127                       | 63153634                                       | 36                | 0.520                  | 13.2         | 183                       |
| 63154014  | 40                | 0.394                  | 10.0         | 95                        | 63154025  | 40                | 0.445                  | 11.3         | 140                       | 63154034                                       | 40                | 0.551                  | 14.0         | 202                       |
| 63154414  | 44                | 0.417                  | 10.6         | 109                       | 63154425  | 44                | 0.465                  | 11.8         | 149                       | 63154434                                       | 44                | 0.575                  | 14.6         | 214                       |
| 63155014  | 50                | 0.433                  | 11.0         | 118                       | 63155025  | 50                | 0.500                  | 12.7         | 171                       | 63155034                                       | 50                | 0.622                  | 15.8         | 259                       |
| 63155214  | 52                | 0.433                  | 11.0         | 120                       | 63155225  | 52                | 0.500                  | 12.7         | 175                       | 63155234                                       | 52                | 0.622                  | 15.8         | 265                       |
| 63156114  | 61                | 0.457                  | 11.6         | 136                       | 63156125  | 61                | 0.528                  | 13.4         | 198                       | 63156134                                       | 61                | 0.657                  | 16.7         | 246                       |

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