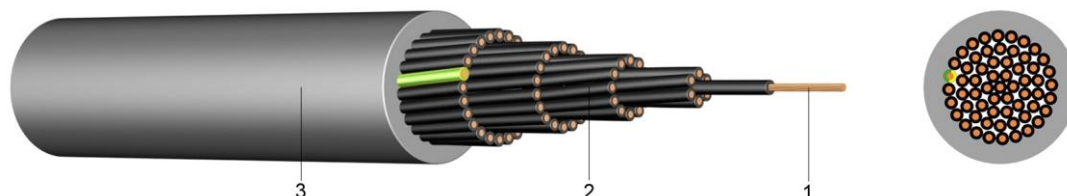




HSLH FRNC Halogen-Free Control Cable with Improved Fire Behaviour - FRNC

Application: For installations in dry, humid and wet locations, but not outdoors. These cables are used for fix or for flexible applications - but not with high tensile load or for forced bending.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of halogen-free, cross-linked polyolefin copolymere
- 3 outer sheath of halogen-free, cross-linked polyolefin copolymere, grey

Standards:

- DIN EN 60754-2
- DIN EN 61034-2
- DIN EN 60228 class 5 (construction)
- core identification JZ: 1 core green/yellow, other cores black with figures
- core identification OZ: every core black with figures

Technical data:

| | | | |
|-----------------------------------|---------------|-------------------|---|
| Nominal voltage U ₀ /U | | [V] | 300 / 500 Volt |
| Test voltage | | [V] _{AC} | 2000 |
| Temperature range | in motion | | -5°C till +70°C |
| | fixed | | -30°C till +70°C |
| Operating temperature | short circuit | °C | 150°C |
| Short circuit time | max. | [sec] | 5 |
| Bending radius | in motion | x diameter | 15 |
| Flammability | standard | | EN 50266-2-4 EN 60332-1 IEC 60332-3 Kat.C |

| Number of cores and nominal cross section mm ² | from stock | from stock | Copper figure kg/km | Cond. construction (appr. value) mm | Overall diameter appr. mm | Weight appr. kg / km |
|---|------------|------------|---------------------|-------------------------------------|---------------------------|----------------------|
| | J | O | | | | |
| 2 x 0,75 | | ● | 15,0 | 24 x 0,21 | 5,4 | 47 |
| 3 x 0,75 | ● | ○ | 22,5 | 24 x 0,21 | 5,7 | 56 |
| 4 x 0,75 | ● | ○ | 30,0 | 24 x 0,21 | 6,2 | 69 |
| 5 x 0,75 | ● | ○ | 37,5 | 24 x 0,21 | 6,8 | 83 |
| 7 x 0,75 | ● | ○ | 52,5 | 24 x 0,21 | 7,4 | 104 |
| 12 x 0,75 | ● | ○ | 90,0 | 24 x 0,21 | 9,9 | 172 |
| 18 x 0,75 | ● | ○ | 135,0 | 24 x 0,21 | 12,4 | 263 |
| 25 x 0,75 | ● | ○ | 187,5 | 24 x 0,21 | 14,4 | 352 |
| 34 x 0,75 | ○ | ○ | 255,0 | 24 x 0,21 | 15,9 | 512 |
| 2 x 1 | | ● | 20,0 | 32 x 0,21 | 5,7 | 55 |
| 3 x 1 | ● | ○ | 30,0 | 32 x 0,21 | 6,0 | 67 |
| 4 x 1 | ● | ● | 40,0 | 32 x 0,21 | 6,6 | 83 |
| 5 x 1 | ● | ○ | 50,0 | 32 x 0,21 | 7,2 | 100 |
| 7 x 1 | ● | ○ | 70,0 | 32 x 0,21 | 8,0 | 130 |
| 12 x 1 | ● | ○ | 120,0 | 32 x 0,21 | 10,6 | 212 |
| 18 x 1 | ● | ○ | 180,0 | 32 x 0,21 | 12,7 | 314 |



| Number of cores and nominal cross section mm ² | from stock | from stock | Copper figure kg/km | Cond. construction (appr. value) mm | Overall diameter appr. mm | Weight appr. kg / km |
|--|------------|------------|---------------------------|--|------------------------------------|----------------------------|
| | J | O | | | | |
| 25 x 1 | ● | ○ | 250,0 | 32 x 0,21 | 15,3 | 429 |
| 2 x 1,5 | | ● | 30,0 | 30 x 0,26 | 6,3 | 72 |
| 3 x 1,5 | ● | | 45,0 | 30 x 0,26 | 6,7 | 88 |
| 4 x 1,5 | ● | | 60,0 | 30 x 0,26 | 7,3 | 110 |
| 5 x 1,5 | ● | | 75,0 | 30 x 0,26 | 8,1 | 135 |
| 7 x 1,5 | ● | ○ | 105,0 | 30 x 0,26 | 8,9 | 174 |
| 12 x 1,5 | ● | | 180,0 | 30 x 0,26 | 12,0 | 289 |
| 18 x 1,5 | ● | | 270,0 | 30 x 0,26 | 14,4 | 433 |
| 25 x 1,5 | ● | | 375,0 | 30 x 0,26 | 17,4 | 596 |
| 34 x 1,5 | ○ | | 510,0 | 30 x 0,26 | 19,6 | 786 |
| 2 x 2,5 | | ○ | 50,0 | 50 x 0,26 | 7,6 | 110 |
| 3 x 2,5 | ● | | 75,0 | 50 x 0,26 | 8,1 | 137 |
| 4 x 2,5 | ● | | 100,0 | 50 x 0,26 | 8,9 | 174 |
| 5 x 2,5 | ● | | 125,0 | 50 x 0,26 | 10,0 | 217 |
| 7 x 2,5 | ○ | | 175,0 | 50 x 0,26 | 12,7 | 306 |
| 12 x 2,5 | ● | | 300,0 | 50 x 0,26 | 14,9 | 467 |
| 4 x 4 | ○ | | 160,0 | 56 x 0,31 | 10,8 | 267 |
| 5 x 4 | ● | | 200,0 | 56 x 0,31 | 12,1 | 331 |
| 7 x 4 | ○ | | 280,0 | 56 x 0,31 | 13,4 | 432 |
| 4 x 6 | ● | | 240,0 | 84 x 0,31 | 13,0 | 388 |
| 5 x 6 | ● | | 300,0 | 84 x 0,31 | 14,5 | 480 |
| 4 x 10 | ● | | 400,0 | 80 x 0,41 | 16,2 | 616 |
| 5 x 10 | ● | | 500,0 | 80 x 0,41 | 18,1 | 766 |
| 4 x 16 | ● | | 640,0 | 128 x 0,41 | 18,9 | 908 |
| 5 x 16 | ● | | 800,0 | 128 x 0,41 | 21,2 | 1.134 |
| 4 x 25 | ○ | | 1.000,0 | 182 x 0,41 | 23,5 | 1.620 |