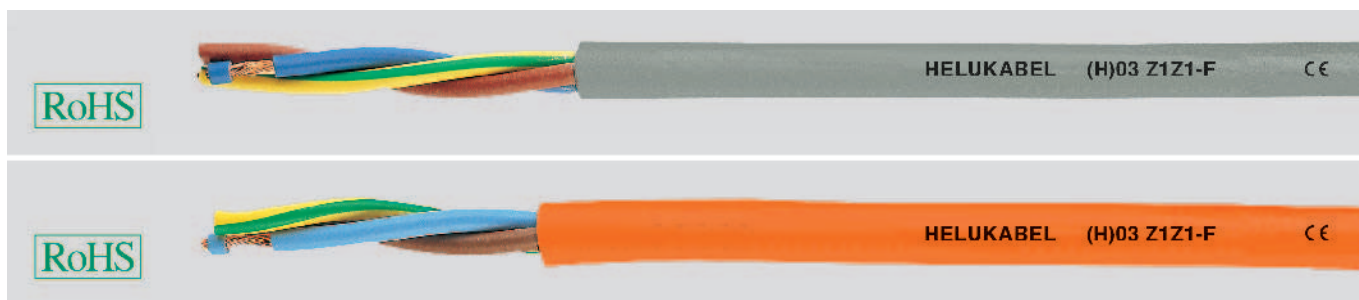


# (H)03 Z1Z1-F halogen-free



## Technical data

- flexible halogen-free control cable according E DIN VDE 0281 part 14 pr HD 21.14 S1
- Temperature range**  
flexing -5°C to +70°C  
fixed installation -40°C to +70°C
- Nominal voltage**  
U<sub>0</sub>/U 300/300 V
- Test voltage** 2000 V
- Breakdown voltage** min. 4000 V
- Minimum bending radius**  
approx. 7,5x cable Ø
- Radiation resistance**  
up to 20x10<sup>6</sup> cJ/kg (up to 20 Mrad)

## Cable construction

- Bare copper, fine wire conductor, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5, IEC 60228 cl. 5, HD 383
- Insulating jacket thermoplastic compound, TI6 according to DIN VDE 0281 part 14, appendix A
- Core identification according to DIN VDE 0293-308
- Green-yellow earth core, 3 cores and above
- Core stranded with optimal lay-length
- Outer sheath, thermoplastic compound, TM7 according DIN VDE 0281 part 14, appendix B
- Jacket colour by request

## Properties

- Tests**  
Tested for flame retardation to DIN VDE 0482 part 265-2-1/ EN 50265-2-1 (equivalent DIN VDE 0472 part 804 test method B)  
Smoke density to VDE 0482 part 268-2  
Halogen-free to HD 21.14 appendix C
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Note

- G = with green-yellow earth core;  
x = without green-yellow earth core.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- Colour code:  
0 = RAL 9005, black  
1 = RAL 9003, white  
2 = RAL 5015, blue  
3 = RAL 6018, green  
4 = RAL 8003, brown  
5 = RAL 1021, yellow  
6 = RAL 3000, red  
7 = RAL 2003, orange  
8 = RAL 4005, violet  
9 = RAL 7001/7032, grey
- Please add the individual part no. for order with the identification colour code.  
Further colours on request.

## Application

These cables may be used when halogen-free, low smoke and corrosive gas properties are required in case of fire. For low mechanical demands in the house, kitchen and office, for small equipment such as, for example, office machines, radios, table and stranded lamps. Not suitable for:

Cooking and heating equipment, use in high temperature areas (for example, in lighting equipment), outside use, industrial use or industrial electrical tools, cables with a nominal cross-section of 0,75 mm<sup>2</sup> comply with the same recommendations as for cable (H)05 Z1Z1-F.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

| Part No. | No. cores x cross-sec. mm <sup>2</sup> | Outer ø ca. mm | Cop. weight kg / km | Weight ca. kg / km | AWG-No. |
|----------|--|----------------|---------------------|--------------------|---------|
| 3233_    | 2 x 0,5                                | 5,0            | 9,6                 | 39,0               | 20      |
| 3234_    | 3 G 0,5                                | 5,3            | 14,4                | 46,0               | 20      |
| 3235_    | 4 G 0,5                                | 5,8            | 19,2                | 56,0               | 20      |

| Part No. | No. cores x cross-sec. mm <sup>2</sup> | Outer ø ca. mm | Cop. weight kg / km | Weight ca. kg / km | AWG-No. |
|----------|--|----------------|---------------------|--------------------|---------|
| 3236_    | 2 x 0,75                               | 5,4            | 14,4                | 47,0               | 18      |
| 3237_    | 3 G 0,75                               | 5,7            | 21,6                | 55,0               | 18      |
| 3238_    | 4 G 0,75                               | 6,3            | 29,0                | 69,0               | 18      |

Dimensions and specifications may be changed without prior notice.