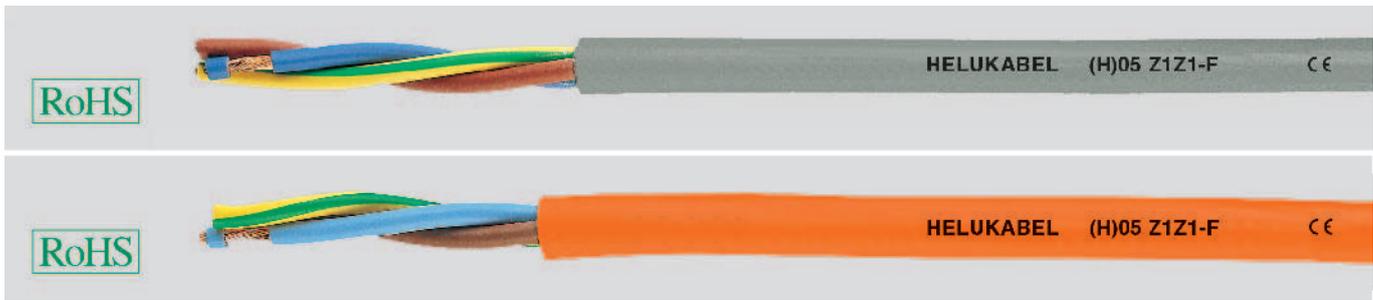


(H)05 Z1Z1-F halogen-free



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**
U₀/U 300/500 V
- Test voltage** 2500 V
- Breakdown voltage** min. 5000 V
- Minimum bending radius**
approx. 7,5x cable Ø
- Radiation resistance**
up to 20x10⁶ 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, T16 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 to 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 mm².
- 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 moderate mechanical demands in the house, kitchen and office, for house equipment in damp rooms (for example: washing machines, spin-dryers and refrigerators). Suitable for cooking and heating equipment, providing the cable is not in contact with hot components or heat radiation.

Not suitable for:

in high temperature areas (for example, in lighting equipment), outside buildings, in industrial or agricultural buildings, connection of electrical power tools.

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 ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
3027_	2 x 0,75	6,2	14,4	58,0	18
3028_	3 G 0,75	6,6	21,6	68,0	18
3029_	4 G 0,75	7,1	29,0	81,0	18
3030_	5 G 0,75	8,0	36,0	102,0	18
3031_	2 x 1	6,6	19,0	67,0	17
3032_	3 G 1	6,9	29,0	81,0	17
3034_	4 G 1	7,7	38,0	101,0	17
3035_	5 G 1	8,4	48,0	107,0	17
3036_	2 x 1,5	7,4	29,0	87,0	16
3037_	3 G 1,5	8,1	43,0	109,0	16
3038_	4 G 1,5	9,0	58,0	117,0	16
3039_	5 G 1,5	10,0	72,0	169,0	16

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
3040_	2 x 2,5	9,3	48,0	138,0	14
3041_	3 G 2,5	10,1	72,0	172,0	14
3042_	4 G 2,5	11,0	96,0	210,0	14
3043_	5 G 2,5	12,3	120,0	260,0	14
3044_	2 x 4	10,6	76,8	190,0	12
3045_	3 G 4	11,5	115,2	242,0	12
3046_	4 G 4	12,5	153,6	298,0	12
3047_	5 G 4	14,1	192,0	371,0	12

Dimensions and specifications may be changed without prior notice.