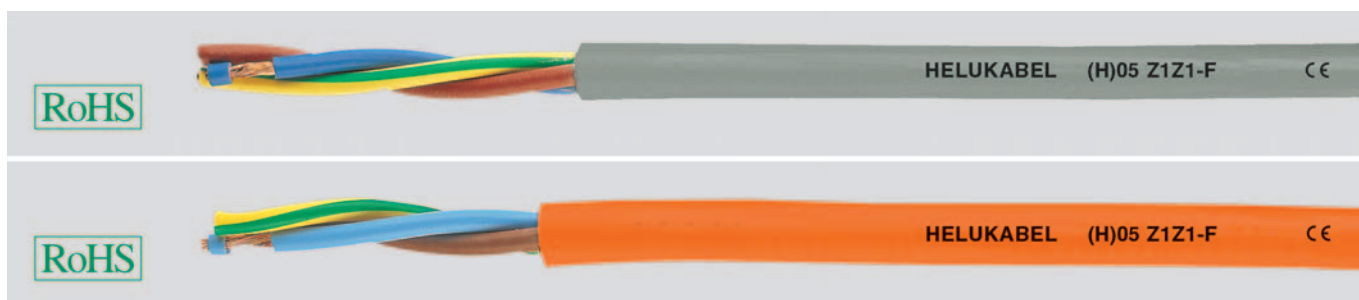


# (H)05Z1Z1-F halogen-free, meter marking



## Technical data

- flexible halogen-free control cable adapted to DIN VDE 0285-525-3-11 / DIN EN 50525-3-11
- Temperature range**  
flexing -5°C to +70°C  
fixed installation -40°C to +70°C
- Nominal voltage** U<sub>0</sub>/U 300/500 V
- Test voltage** 2000 V
- Breakdown voltage** min. 4000 V
- Minimum bending radius**  
7,5x cable Ø
- Radiation resistance**  
up to 20x10<sup>6</sup> C/kg (up to 20 Mrad)

## Cable structure

- Bare copper-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation thermoplastic compound
- Core identification to DIN VDE 0293-308
- GN-YE conductor, 3 cores and above
- Cores stranded with optimal lay-length
- Outer sheath of thermoplastic compound
- Sheath colour by request
- with meter marking

## Properties

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Tests

- Tested for flame retardation acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Smoke density acc. to DIN VDE 0482-1034-1+2, DIN EN 61034-1+2, IEC 61034-1+2
- Halogen-free acc. to DIN VDE 0285-525-1, DIN EN 50525-1

## Note

- G = with green-yellow conductor  
x = without green-yellow conductor
- Please complete the part number for these cables by adding the suffix for the colour required as per the list:  
0 = ca.RAL 9005 black  
1 = ca.RAL 9003 white  
2 = ca.RAL 5015 blue  
3 = ca.RAL 6018 green  
4 = ca.RAL 8003 brown  
5 = ca.RAL 1021 yellow  
6 = ca.RAL 3000 red  
7 = ca.RAL 2003 orange  
8 = ca.RAL 4005 violet  
9 = ca.RAL 7001/7032 grey  
Further colours on request.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.

## 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 2006/95/EC.

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
3027x	2 x 0,75	6,3	14,4	58,0	19
3028x	3 G 0,75	6,6	21,6	68,0	19
3029x	4 G 0,75	7,2	29,0	81,0	19
3030x	5 G 0,75	8,0	36,0	102,0	19
3031x	2 x 1	6,5	19,0	67,0	18
3032x	3 G 1	6,9	29,0	81,0	18
3034x	4 G 1	7,7	38,0	101,0	18
3035x	5 G 1	8,4	48,0	107,0	18
3036x	2 x 1,5	7,4	29,0	87,0	16
3037x	3 G 1,5	8,0	43,0	109,0	16
3038x	4 G 1,5	9,1	58,0	117,0	16
3039x	5 G 1,5	10,0	72,0	169,0	16
3040x	2 x 2,5	9,1	48,0	138,0	14
3041x	3 G 2,5	9,9	72,0	172,0	14
3042x	4 G 2,5	10,8	96,0	210,0	14

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
3043x	5 G 2,5	12,0	120,0	260,0	14
3044x	2 x 4	10,4	76,8	190,0	12
3045x	3 G 4	11,3	115,2	242,0	12
3046x	4 G 4	12,3	153,6	298,0	12
3047x	5 G 4	13,9	192,0	371,0	12

Dimensions and specifications may be changed without prior notice. (RA03)