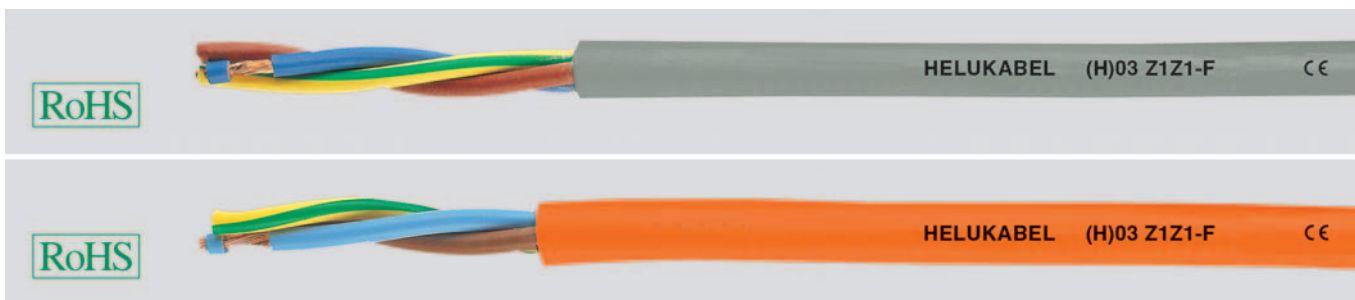


# (H)03Z1Z1-F halogen-free, meter marking



## 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**  $U_0/U$  300/300 V
- Test voltage** 2000 V
- Breakdown voltage** min. 4000 V
- Minimum bending radius**  
7,5x cable Ø
- Radiation resistance**  
up to  $20 \times 10^6$  cJ/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 of thermoplastic compound
- Core identification to DIN VDE 0293-308
- GN-YE conductor, 3 cores and above
- 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 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)05Z1Z1-F.

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.
3233x	2 x 0,5	5,1	9,6	39,0	20
3234x	3 G 0,5	5,4	14,4	46,0	20
3235x	4 G 0,5	5,9	19,2	56,0	20

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.
3236x	2 x 0,75	5,4	14,4	47,0	19
3237x	3 G 0,75	5,7	21,6	55,0	19
3238x	4 G 0,75	6,3	29,0	69,0	19

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



Suitable accessories can be found in Chapter X.

- Cable Gland - HELUTOP® HT-PA
- Cable Gland - HELUTOP® HT-MS