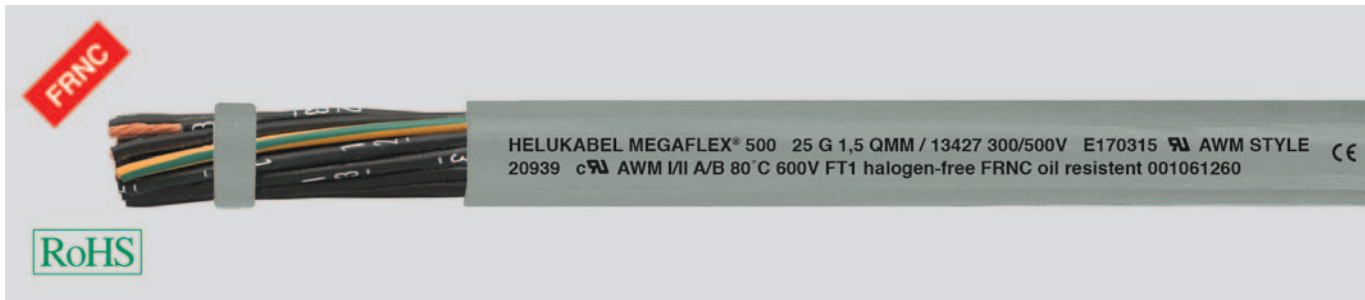


MEGAFLEX® 500 halogen-free, flame retardant, oil-resistant, UV-resistant, flexible, meter marking



Technical data

- Halogen-free flexible control cable adapted to
DIN VDE 0285-525-3-11/
DIN EN 50525-3-11,
to UL-Style 20939, UL-Std.758
- **Temperature range**
flexing -30°C to +80°C
fixed installation -40°C to +80°C
- **Nominal voltage**
U₀/U 300/500 V
UL/CSA 600 V
- **Test voltage** 3000 V
- **Minimum bending radius**
flexing 10x cable Ø
fixed installation 4x cable Ø
- **Flexibility**
Alternate bending test acc. to
DIN VDE 0473-396 / DIN EN 50396

Cable structure

- Bare copper-conductor, to
DIN VDE 0295 cl.5, fine-wire,
BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of halogen-free
special polymer
- Core identification to DIN VDE 0293
black cores with continuous white
numbering
- GN-YE conductor, 3 cores and above
in the outer layer
- Cores stranded in layers with
optimal lay-length
- Outer sheath of halogen-free
special polymer
- Sheath colour grey (RAL 7001)
- with meter marking
- **LS0H**= Low Smoke Zero Halogen

Note

- G = with green-yellow conductor
x = without green-yellow conductor (OZ)
- Also available as a 0,6/1 kV cable
MEGAFLEX® 600
- AWG sizes are approximate equivalent
values. The actual cross-section is in mm².
- screened analogue type:
MEGAFLEX® 500-C, confer page 398

Properties

- Highly flame-retardant
- Resistant to oils and greases
- Resistant to UV and weathering
- Hydrolysis resistant
- Flexible, abrasion- and wear-resistant
- Ozone-resistant, recyclable
- The materials used in manufacture are
cadmium-free and contain no silicone
and free from substances harmful to
the wetting properties of lacquers

Tests

- Flame test acc. to DIN VDE 0482-332-3-24,
BS 4066 part 3, DIN EN 60332-3-24,
IEC 60332-3-24 (previously DIN VDE 0472
part 804 test method C)
- Self-extinguishing and flame retardant
acc. to DIN VDE 0482-332-1-2,
DIN EN 60332-1-2 / IEC 60332-1 (previously
DIN VDE 0472 part 804 test method B),
CSA FT 1
- Corrosiveness of combustion gases
acc. to NF X 10-702
- Halogen-free acc. to DIN VDE 0482
part 267 / DIN EN 50267-2-1 / IEC 60754-1
(equivalent DIN VDE 0472 part 815)
- Smoke density acc. to DIN VDE 0482
part 1034-1+2, DIN EN 61034-1+2,
IEC 61034-1+2, BS 7622 part 1+2
(previously DIN VDE 0472 part 816)
- Oil-resistant to DIN VDE 0473-811-404/
DIN EN 60811-404
- Hydrolysis-resistant to DIN EN 61234-1
- Ozone-resistant to
DIN VDE 0473-811-403/DIN EN 60811-403

Application

For fixed installation or flexible application, with free movements without forcing which do not constantly recur and without tensile stress, for high mechanical strain. As a measuring and control cable primarily in machinery and plant construction, in air-conditioning systems, at the warehouse and conveyor systems, in ship-building and in the renewable energies such as in the construction of wind power stations.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

| Part no. | No. cores x cross-sec. mm ² | AWG-No. | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km |
|----------|--|---------|--------------------|---------------------------|---------------------------|
| 13344 | 2 x 0,5 | 20 | 5,0 | 9,6 | 43,0 |
| 13345 | 3 G 0,5 | 20 | 5,3 | 14,4 | 50,0 |
| 13346 | 3 x 0,5 | 20 | 5,3 | 14,4 | 50,0 |
| 13347 | 4 G 0,5 | 20 | 5,7 | 19,0 | 60,0 |
| 13348 | 4 x 0,5 | 20 | 5,7 | 19,0 | 60,0 |
| 13349 | 5 G 0,5 | 20 | 6,2 | 24,0 | 71,0 |
| 13350 | 5 x 0,5 | 20 | 6,2 | 24,0 | 71,0 |
| 13351 | 7 G 0,5 | 20 | 7,4 | 33,6 | 84,0 |

| Part no. | No. cores x cross-sec. mm ² | AWG-No. | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km |
|----------|--|---------|--------------------|---------------------------|---------------------------|
| 13352 | 8 G 0,5 | 20 | 8,0 | 38,0 | 101,0 |
| 13353 | 10 G 0,5 | 20 | 8,8 | 48,0 | 121,0 |
| 13354 | 12 G 0,5 | 20 | 9,1 | 58,0 | 142,0 |
| 13355 | 16 G 0,5 | 20 | 10,0 | 76,0 | 183,0 |
| 13356 | 18 G 0,5 | 20 | 10,7 | 86,0 | 204,0 |
| 13357 | 20 G 0,5 | 20 | 11,2 | 96,0 | 227,0 |
| 13359 | 25 G 0,5 | 20 | 12,7 | 120,0 | 283,0 |
| 13360 | 30 G 0,5 | 20 | 13,5 | 144,0 | 324,0 |

Continuation ▶