

Halogen-free for the protection of human life, environment and material assets; increased temperature resistance

Product Description

Protection of human life and the environment thanks to the avoidance of the formation of acid in case of fire



Application range

- For wiring of lamps, devices, switchgear cabinets and distribution boxes
- For installation in tubes, on, in and under plaster as well as in closed installation ducts
- In buildings with a high concentration of people or valuables
- For use in dry rooms

Benefits

- Protection of human life and the environment thanks to the avoidance of the formation of acid in case of fire

Design

- Fine strands of bare copper wires
- Core insulation: Halogen-free

Approvals (Norm references)

- 110°C version isn't harmonised (no HAR sign), but VDE-tested and VDE-marked



Product features

- The insulation material is halogen-free and free of other materials which could release corrosive gases in the event of fire
- Flame-retardant according to IEC 60332-1-2 and IEC 60332-2-2
- Bundle flame test (flame propagation) according to IEC 60332-3-24/ EN 50266-2-4/ EN 60332-3-24/ VDE 0482-266-2-4/ VDE 0482-332-3-24
- Low corrosivity of the gases in case of fire
- Low smokes

Technical Data

Based on

HD 22.9

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5

Minimum bending radius

4 x outer diameter (OD), if used conventionally
2 x OD at cautious bending

Rated voltage

U0/U: 300/500 V

Test voltage

2000 V AC

Current rating

VDE 0298-4
HD 516

Range of temperature

Fixed installation: -40°C up to +110°C

Article List

Part number	Conductor cross section in mm ²	Outer diameter in mm	Wire colour	m/Coil	Copper index kg/km	Weight kg/km
4710021	0.5	2.6	blue	100	4.8	9
4710031	0.5	2.6	brown	100	4.8	9
4710141	0.5	2.6	dark-blue	100	4.8	9
4710111	0.5	2.6	yellow	100	4.8	9
4710061	0.5	2.6	grey	100	4.8	9
4710121	0.5	2.6	green	100	4.8	9
4710001	0.5	2.6	greenyellow	100	4.8	9
4710091	0.5	2.6	orange	100	4.8	9
4710081	0.5	2.6	Pink	100	4.8	9



4710041	0.5	2.6	red	100	4.8	9
4710011	0.5	2.6	black	100	4.8	9
4710071	0.5	2.6	purple	100	4.8	9
4710051	0.5	2.6	white	100	4.8	9
4710022	0.75	2.8	blue	100	7.2	11
4710032	0.75	2.8	brown	100	7.2	11
4710142	0.75	2.8	dark-blue	100	7.2	11
4710112	0.75	2.8	yellow	100	7.2	11
4710062	0.75	2.8	grey	100	7.2	11
4710122	0.75	2.8	green	100	7.2	11
4710002	0.75	2.8	greenyellow	100	7.2	11
4710092	0.75	2.8	orange	100	7.2	11
4710082	0.75	2.8	Pink	100	7.2	11
4710042	0.75	2.8	red	100	7.2	11
4710012	0.75	2.8	black	100	7.2	11
4710072	0.75	2.8	purple	100	7.2	11
4710052	0.75	2.8	white	100	7.2	11
4710023	1	2.9	blue	100	9.6	14
4710033	1	2.9	brown	100	9.6	14
4710143	1	2.9	dark-blue	100	9.6	14
4710113	1	2.9	yellow	100	9.6	14
4710063	1	2.9	grey	100	9.6	14
4710123	1	2.9	green	100	9.6	14
4710003	1	2.9	greenyellow	100	9.6	14
4710093	1	2.9	orange	100	9.6	14
4710083	1	2.9	Pink	100	9.6	14
4710043	1	2.9	red	100	9.6	14
4710013	1	2.9	black	100	9.6	14
4710073	1	2.9	purple	100	9.6	14
4710053	1	2.9	white	100	9.6	14

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Packaging size: Coil ≤ 30 kg, otherwise drum

Photographs are not to scale and do not represent detailed images of the respective products.

*at conventional usage, **at cautious bending; "OD" = outer diameter