

Machines, devices; Halogen-free: events, places of high person and asset concentration

Product Description

Improved usage because of halogen-free materials; According to VDE 0100-711 cables with low smokes are required in buildings for exhibitions, shows and stands without fire alarm system



Application range

- Stage technology
- Mobile equipment and machines
- Dry and damp interiors, temporarily outdoors: HD 516/ VDE 0298-300

Benefits

- Improved usage because of halogen-free materials
- According to VDE 0100-711 cables with low smokes are required in buildings for exhibitions, shows and stands without fire alarm system

Design

- Strands of bare copper wires
- Core insulation: Halogen-free rubber compound
- Outer sheath: Halogen-free rubber compound

Product features

- Low corrosivity of the gases in case of fire
- Flame-retardant according to IEC 60332-1-2 and bundle flame test acc. IEC 60332-3-24/ EN 50266-2-4
- Low smokes
- Ozone-resistant acc. to HD 22, EN 50363-6, EN 60811-2-1, EN 50396-8.1.3



Technical Data

Core identification code

Up to 5 cores: according to VDE 0293-308 (appendix T9)

Starting at 6 cores: Black with white numbers

Approvals

VDE 0282 Part 13 / HD 22.13 S1

Conductor stranding

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

Minimum bending radius

Flexible use: 6 x outer diameter

Fixed installation: 4 x cable diameter

Rated voltage

U0/U: 450/750 VAC, in protected and fixed installations: U0/U: 600/1000 V

Test voltage

2500 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Current rating

VDE 0298 Part 4

HD 516

Range of temperature

Flexible use: -5°C up to +70°C

Fixed installation: -40°C up to +70°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
1600810	3 G 1,5	9,2 - 11,9	43.2	125
1600811	4 G 1,5	10,2 - 13,1	57.6	155
1600812	5 G 1,5	11,2 - 14,4	72.0	190
1600815	14 G 1,5	18,8 - 21,3	201.6	570
1600816	18 G 1,5	20,7 - 26,3	259.2	750
1600820	3 G 2,5	10,9 - 14	72.0	185
1600821	4 G 2,5	12,1 - 15,5	96.0	235
1600822	5 G 2,5	13,3 - 17	120.0	290
1600823	7 G 2,5	18,2 - 20,7	168.0	520
1600825	14 G 2,5	22,2 - 25	336.0	860
1600836	4 G 4	14 - 17,9	153.6	325
1600837	5 G 4	15,6 - 19,9	192.0	410
1600841	4 G 6	15,7 - 20	230.4	440
1600842	5 G 6	17,5 - 22,2	288.0	550
1600844	4 G 10	20,9 - 26,5	384.0	770
1600845	5 G 10	22,9 - 29,1	480.0	950



1600847	4 G 16	23,8 - 30,1	614.4	1070
1600849	4 G 25	28,9 - 36,6	960.0	1570
1600851	4 G 35	32,5 - 41,1	1344.0	2040
1600852	4 G 50	37,7 - 47,5	1920.0	2810

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

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

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