

Product Description



Application range

- Public buildings
- Airport, railway station
- Plant engineering and construction Industrial machinery Air conditioning installations
- Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards

Design

- Fine strands of bare copper wires
- Core insulation: Halogen-free
- Special blended halogen-free outer sheath grey (RAL 7001)

Product features

- Flame retardant according to IEC 60332-1-2 (flame spread on single cable)
- No flame propagation acc. to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
- Halogen-free according to IEC 60754-1 (amount of halogen acid gas) Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
- Oil resistant according to SEV TB 20 B

Technical Data

Core identification code

Coloured acc. to VDE 0293-308, see appendix T9

Based on

HD 21.13 S1

VDE 0281 Part 13

HD 21.5

VDE 0281 Part 5

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine wire in accordance to VDE 0295 Class 5 / IEC

60228 Class 5

Minimum bending radius

Occasional flexing: 15 x cable diameter

Fixed installation: 4 x cable diameter

Rated voltage

U0/U: 450/750 V Fixed, protected installation: U0/U:
600/1000 V

Test voltage

4000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

Occasional flexing: -30°C up to +70°C

Fixed installation: -40°C up to +80°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
00141173	4 G 35	32,8	1344.0	2060
00141183	5 G 35	37,6	1680.0	2577
00141193	4 G 50	38.0	1920.0	2811
00141203	4 G 70	42,8	2688.0	3968
00141213	4 G 95	47,1	3648.0	4957
00141223	4 G 120	52,4	4608.0	6391

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 ≤ 30 kg and ≤ 250 m, otherwise drum

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

Single lengths for sizes: ≥ 4G50 max. 500m; ≥ 4G120 max. 400m

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