

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
- In EMI critical environment (electromagnetic interference)

Design

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

Product features

- Flame retardant according to IEC 60332-1-2 (flame spread on single cable)
- Halogen-free according to IEC 60754-1 (amount of halogen acid gas) Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
- Flexible down to -25°C
- High coverage degree of the screen low transfer impedance (max. 250 Ohm/km at 30 MHz)



Technical Data

Core identification code

Black with white numbers acc. to VDE 0293

Based on

HD 21.13 S1

VDE 0281 Part 13

Specific insulation resistance

> 10 GOhm x cm

Conductor stranding

Fine wire in accordance to VDE 0295 Class 5 / IEC

60228 Class 5

Minimum bending radius

Occasional flexing: 20 x cable diameter

Fixed installed: 6 x outer diameter

Rated voltage

U0/U: 300/500 V

Test voltage

4000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

Occasional flexing: -25°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
ÖLFLEX® 120 CH U0/U: 300/500 V				
1022902	2 X 1,5	8,5	65.0	113
1022303	3 G 1,5	8,9	83.0	131
1022304	4 G 1,5	9,6	100.0	158
1022305	5 G 1,5	10,3	125.0	182
1022307	7 G 1,5	11,3	196.0	230
1022312	12 G 1,5	14,8	280.0	383
1022318	18 G 1,5	17,2	389.0	525
1022325	25 G 1,5	20,1	535.0	727
1022403	3 G 2,5	10,3	146.0	186
1022404	4 G 2,5	11,3	167.0	226
1022405	5 G 2,5	12,6	200.0	275
1022407	7 G 2,5	13,9	288.0	361
1022504	4 G 4	13,4	237.0	337
1022604	4 G 6	15,8	318.0	474

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.