

H05VVC4V5-K (HD 21.13 S1)

## Product Description



## Application range

- Plant engineering and construction Industrial machinery Air conditioning installations
- machine tools
- Mainly in dry, damp and wet interiors (including water-oil mixtures), but not for outdoor use
- For fixed installation under medium mechanical load conditions as well as occasional flexing at free, non-continuously recurring movement without tensile load or compulsory guidance
- In EMI critical environment (electromagnetic interference)

## Design

- Fine strands of bare copper wires
- PVC core insulation
- PVC inner sheath, grey
- tinned copper braid
- PVC outer sheath, increased oil resistance grey (RAL 7001)

## Product features

- Flame retardant according to IEC 60332-1-2
- Increased oil resistance
- 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

**Approvals**

HD 21.13 S1, VDE 0281-13

**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: 20 x cable diameter

Fixed installed: 6 x outer diameter

**Rated voltage**

U0/U: 300/500 V

**Test voltage**

3000 V

**Protective conductor**

G = with protective conductor GN/YE

X = without protective conductor

**Range of temperature**

Occasional flexing: -5°C up to +70°C

Fixed installation: -40°C up to +70°C

Article List

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter mm	Copper index kg/km	Weight kg/km
ÖLFLEX® 140 CY H05VVC4V5-K				
0035700	3 G 0,5	8 - 10	47.0	111.3
0035701	4 G 0,5	8,5 - 10,7	58.0	132.7
0035702	5 G 0,5	9,3 - 11,6	69.0	162.7
0035703	7 G 0,5	10,8 - 13,5	86.0	207.7
0035704	12 G 0,5	13,1 - 16,2	142.0	295
0035710	3 G 0,75	8,3 - 10,4	55.0	129.4
0035711	4 G 0,75	9,1 - 11,3	67.0	163.6
0035712	5 G 0,75	9,7 - 12,1	77.4	188.6
0035713	7 G 0,75	11,5 - 14,3	109.0	246.9
0035714	12 G 0,75	13,8 - 17,1	166.0	354.3
0035715	18 G 0,75	16,1 - 19,8	257.3	517
0035716	25 G 0,75	18,7 - 23	318.6	677.8
0035717	34 G 0,75	21,4 - 26,2	409.4	860.6
0035720	3 G 1,0	8,8 - 11	62.0	144.8
0035721	4 G 1,0	9,4 - 11,7	78.3	180.8
0035722	5 G 1,0	10,3 - 12,8	91.0	209
0035723	7 G 1,0	12,2 - 15,1	118.0	273
0035724	12 G 1,0	14,5 - 17,9	198.0	427.6



0035725	18 G 1,0	16,9 - 20,8	303.6	598.6
0035726	25 G 1,0	19,8 - 24,2	411.9	791.8
0035727	34 G 1,0	22,6 - 27,7	516.3	1003.9
0035730	3 G 1,5	9,7 - 12,1	83.0	189.7
0035731	4 G 1,5	10,7 - 13,2	97.8	221.6
0035732	5 G 1,5	11,8 - 14,7	118.0	261.8
0035733	7 G 1,5	14,1 - 17,4	218.0	356.7
0035734	12 G 1,5	16,7 - 20,6	309.7	559.4
0035735	18 G 1,5	19,5 - 24	411.4	767.6
0035736	25 G 1,5	22,9 - 28	546.5	1049
0035740	3 G 2,5	11,3 - 14	115.0	241.5
0035741	4 G 2,5	12,6 - 15,5	163.0	298.3
0035742	5 G 2,5	13,9 - 17,2	191.0	363.7
0035743	7 G 2,5	16,5 - 20,3	288.9	487.2
0035744	12 G 2,5	19,8 - 24,3	516.6	743.6

**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](http://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.