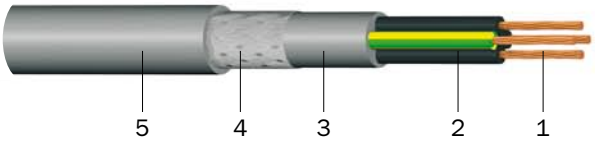
H05VVC4V5–K

Control cable, screened
Standard: DIN VDE 0281 (HD 21)

Application:
For the electrical interconnection of components of production facilities and machine tools if a certain level of screening is required. Resistant against universal mineral oil. This cable is intened for indoor use and should be installed mechanically protected.



Construction:
1 Copper conductor, fine wire
2 Insulation (PVC)
3 Sheath (PVC)
4 Braided wire screen (tinned copper wires)
5 Sheath (PVC grey RAL 7001 or blue RAL 5012 if intrinsically safe), oil resistant

Rated voltage: 300/500 V

Test voltage: 2000 Veff

Temperature range:
During installation: min. +5 °C
Operating temperature: fixed –20 °C to +50 °C
moved +5 °C to +50 °C
Conductor temperature: max. +60 °C
Short circuit temperature of the conductor: max. +150 °C/5 s

Bending radius (min.): 4 x ∅ of the cable

Core identification:
black with white numbers, PE-conductor gnye (outer layer)

Flammability:
Self extinguishing (EN 50265-2-1, IEC 60332-1)

Certification mark: VDE Germany

Number of cores x nominal cross section (mm²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
H05VVC4V5–K						
2 X 0.75	26.00	8.6	43	84	500 Sp, 1000 Sp	2,139.01
H05VVC4V5–K						
3 G 0.75	26.00	9.0	57	125	500 Sp, 1000 Sp	2,484.82
4 G 0.75	26.00	10.3	70	150	500 Sp, 1000 Sp	3,236.43
5 G 0.75	26.00	11.0	82	180	500 Sp, 1000 Sp	3,934.55
7 G 0.75	26.00	12.5	113	230	500 T, 1000 T	5,131.18
12 G 0.75	26.00	15.0	192	310	500 T, 1000 T	8,089.74
18 G 0.75	26.00	17.5	272	470	500 T, 1000 T	10,782.87
25 G 0.75	26.00	20.5	331	640	500 T, 1000 T	14,950.39
3 G 1	19.50	9.5	78	140	500 Sp, 1000 Sp	2,879.82
4 G 1	19.50	10.8	89	170	500 Sp, 1000 Sp	3,598.17
5 G 1	19.50	11.5	106	200	500 Sp, 1000 Sp	4,329.55
7 G 1	19.50	13.0	132	230	500 T, 1000 T	5,970.74
12 G 1	19.50	17.0	206	410	500 T, 1000 T	9,377.45
18 G 1	19.50	19.5	316	550	500 T, 1000 T	13,146.95
25 G 1	19.50	22.5	354	735	500 T, 1000 T	17,646.54
3 G 1.5	13.30	10.8	99	180	500 Sp, 1000 Sp	3,373.80

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Number of cores x nominal cross section (mm^2)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
H05VVC4V5–K						
4 G 1.5	13.30	11.5	121	200	500 Sp, 1000 Sp	4,383.06
5 G 1.5	13.30	12.3	135	235	500 Sp, 1000 Sp	5,450.82
7 G 1.5	13.30	14.0	227	330	500 T, 1000 T	7,607.85
12 G 1.5	13.30	18.0	322	470	500 T, 1000 T	11,239.40
18 G 1.5	13.30	20.5	428	680	500 T, 1000 T	16,010.35
25 G 1.5	13.30	24.5	568	930	500 T, 1000 T	21,348.81
3 G 2.5	7.98	12.0	154	240	500 T, 1000 T	5,339.50
4 G 2.5	7.98	13.0	170	290	500 T, 1000 T	6,581.39
5 G 2.5	7.98	14.2	208	340	500 T, 1000 T	7,840.01
7 G 2.5	7.98	15.5	300	465	500 T, 1000 T	10,471.15
12 G 2.5	7.98	21.0	516	744	500 T, 1000 T	16,731.73
18 G 2.5	7.98	24.5	615	1,076	500 T, 1000 T	23,937.26
25 G 2.5	7.98	29.0	937	1,472	500 T, 1000 T	30,719.15

Subject to technical changes. All figures are therefore without guarantee.