



USE OF CABLE

power, control and connecting cable in electrical facilities for lossless data and signal transmission, fixed laying and flexible applications without tensile stress and without defined cable routing. Suitable for use in dry, humid, wet rooms (also water-oil mixture). Outdoor use only with UV-protection, no laying underground.



SPECIAL FEATURES

- increased resistance to oil by special PVC outer sheath, largely resistant to acids and bases acc. to EN 50363-4-1
- additional mechanical protection by inner sheath
- EMC compliant shielding
- HAR-approval for Europe

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)
- special versions, other dimensions, core and jacket colours according to your specifications on request

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 5
Core insulation:	PVC
Core identification:	Acc. to DIN VDE 0293 black cores with white numerals; G = with GNYE
Stranding:	Stranded in layers
Inner sheath material:	PVC
Shield3:	Copper braid tinned, coverage approx. 85 %
Outer sheath:	PVC
Sheath colour:	Grey, RAL 7001
Rated voltage:	Uo/U: 300/500 V
Testing voltage:	3 kV
Conductor resistance:	Acc. to IEC 60228 cl. 5
Insulation resistance:	Min. 20 MΩ x km
Current-carrying-capacity:	Acc. to. DIN VDE, see technical Guidelines
Min. bending radius fixed:	6 x d
Min. bending radius moved:	12,5 x d
Operat. temp. fixed min/max:	-40 °C / +70 °C
Operat. temp. moved min/max:	-5 °C / +70 °C
Temp. at conductor:	+70 °C in operation; +150 °C in case of short-circuit
Burning behavior:	Self-extinguishing & flame-retardant acc.to IEC 60332-1
Standard:	EN 50525-2-51 / VDE 0285-525-2-51
Approvals:	HAR

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1003451	2 X 0,5	7,7 - 9,6	30,00	92,00	grey	V0: H05VVC4V5-K
1003457	3 G 0,5	8,0 - 10,0	36,00	109,00	grey	V0: H05VVC4V5-K
1000229	4 G 0,5	8,5 - 10,7	58,00	126,00	grey	V0: H05VVC4V5-K
1003458	5 G 0,5	9,3 - 11,6	63,00	156,00	grey	V0: H05VVC4V5-K
1001745	6 G 0,5	9,9 - 12,4	67,00	176,00	grey	V0: H05VVC4V5-K
1000245	7 G 0,5	10,8 - 13,5	70,00	192,00	grey	V0: H05VVC4V5-K
1003202	12 G 0,5	13,3 - 16,5	105,00	280,00	grey	V0: H05VVC4V5-K
1003460	18 G 0,5	15,1 - 18,6	137,00	405,00	grey	V0: H05VVC4V5-K
1003463	25 G 0,5	17,7 - 21,7	210,00	532,00	grey	V0: H05VVC4V5-K
1003466	34 G 0,5	20,2 - 24,7	298,00	634,00	grey	V0: H05VVC4V5-K
1003468	50 G 0,5	23,7 - 29,0	470,00	970,00	grey	V0: H05VVC4V5-K
1003472	60 G 0,5	25,5 - 31,1	530,00	1173,00	grey	V0: H05VVC4V5-K

H05VVC4V5-K ... HAR

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	Sheath colour	Variant
1001013	2 X 0,75	8,0 - 10,0	46,00	102,00	grey	V0: H05VVC4V5-K
1002299	3 G 0,75	8,3 - 10,4	48,00	130,00	grey	V0: H05VVC4V5-K
1000231	4 G 0,75	9,1 - 11,3	55,00	164,00	grey	V0: H05VVC4V5-K
1000241	5 G 0,75	9,7 - 12,1	66,00	189,00	grey	V0: H05VVC4V5-K
1000246	7 G 0,75	11,5 - 14,3	85,00	247,00	grey	V0: H05VVC4V5-K
1000208	12 G 0,75	13,9 - 17,2	135,00	327,00	grey	V0: H05VVC4V5-K
1000214	18 G 0,75	16,2 - 19,9	190,00	470,00	grey	V0: H05VVC4V5-K
1000217	25 G 0,75	18,7 - 23,0	275,00	643,00	grey	V0: H05VVC4V5-K
1000222	34 G 0,75	21,4 - 26,2	340,00	821,00	grey	V0: H05VVC4V5-K
1003473	41 G 0,75	23,9	390,00	970,00	grey	V0: H05VVC4V5-K
1000239	50 G 0,75	25,4 - 31,1	582,00	1160,00	grey	V0: H05VVC4V5-K
1003474	61 G 0,75	27,0 - 33,0	679,00	1402,00	grey	V0: H05VVC4V5-K
1003475	65 G 0,75	31,2	708,00	1504,00	grey	V0: H05VVC4V5-K
1003488	2 X 1	8,2 - 10,3	48,00	114,00	grey	V0: H05VVC4V5-K
1000226	3 G 1	8,8 - 11,0	59,00	143,00	grey	V0: H05VVC4V5-K
1000233	4 G 1	9,4 - 11,7	70,00	175,00	grey	V0: H05VVC4V5-K
1000242	5 G 1	10,3 - 12,8	84,00	205,00	grey	V0: H05VVC4V5-K
1000247	7 G 1	12,2 - 15,1	106,00	264,00	grey	V0: H05VVC4V5-K
1000209	12 G 1	14,7 - 18,1	174,00	420,00	grey	V0: H05VVC4V5-K
1000212	18 G 1	16,9 - 20,8	240,00	561,00	grey	V0: H05VVC4V5-K
1000220	25 G 1	19,8 - 24,2	332,00	792,00	grey	V0: H05VVC4V5-K
1000223	34 G 1	22,6 - 27,7	420,00	996,00	grey	V0: H05VVC4V5-K
1003489	41 G 1	25,2 - 26,8	578,00	1155,00	grey	V0: H05VVC4V5-K
1000240	50 G 1	26,9 - 32,8	728,00	1300,00	grey	V0: H05VVC4V5-K
1001314	60 G 1	28,6 - 34,9	773,00	1475,00	grey	V0: H05VVC4V5-K
1003490	61 G 1	28,6 - 34,9	883,00	1500,00	grey	V0: H05VVC4V5-K
1003491	65 G 1	32,4	914,00	1510,00	grey	V0: H05VVC4V5-K
1003492	2 X 1,5	9,3 - 11,6	69,00	146,00	grey	V0: H05VVC4V5-K
1000227	3 G 1,5	9,7 - 12,1	75,00	176,00	grey	V0: H05VVC4V5-K
1000234	4 G 1,5	10,7 - 13,2	90,00	207,00	grey	V0: H05VVC4V5-K
1000243	5 G 1,5	11,8 - 14,7	108,00	268,00	grey	V0: H05VVC4V5-K
1000248	7 G 1,5	14,1 - 17,4	157,00	418,00	grey	V0: H05VVC4V5-K
1000210	12 G 1,5	16,7 - 20,5	240,00	500,00	grey	V0: H05VVC4V5-K
1000213	18 G 1,5	19,6 - 24,1	355,00	707,00	grey	V0: H05VVC4V5-K
1000218	25 G 1,5	22,9 - 28,0	448,00	950,00	grey	V0: H05VVC4V5-K
1000224	34 G 1,5	26,5 - 32,4	754,00	1204,00	grey	V0: H05VVC4V5-K
1003493	41 G 1,5	28,4 - 31,9	805,00	1453,00	grey	V0: H05VVC4V5-K
1003026	50 G 1,5	31,3 - 38,2	1033,00	1663,00	grey	V0: H05VVC4V5-K
1003495	61 G 1,5	33,3 - 40,6	1238,00	1852,00	grey	V0: H05VVC4V5-K
1003496	65 G 1,5	38,1	1296,00	1971,00	grey	V0: H05VVC4V5-K
1003497	2 X 2,5	10,7 - 13,3	81,00	190,00	grey	V0: H05VVC4V5-K
1000228	3 G 2,5	11,3 - 14,0	104,00	240,00	grey	V0: H05VVC4V5-K
1000235	4 G 2,5	12,6 - 15,5	163,00	323,00	grey	V0: H05VVC4V5-K

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1000244	5 G 2,5	13,9 - 17,2	175,00	364,00	grey	V0: H05VVC4V5-K
1000249	7 G 2,5	16,5 - 20,3	235,00	439,00	grey	V0: H05VVC4V5-K
1000211	12 G 2,5	19,9 - 24,4	375,00	744,00	grey	V0: H05VVC4V5-K
1000215	18 G 2,5	23,3 - 28,5	522,00	1052,00	grey	V0: H05VVC4V5-K
1000221	25 G 2,5	28,2 - 30,6	897,00	1375,00	grey	V0: H05VVC4V5-K
1003498	34 G 2,5	32,1 - 34,4	1179,00	1892,00	grey	V0: H05VVC4V5-K
1003511	41 G 2,5	36,0	1473,00	2286,00	grey	V0: H05VVC4V5-K
1003520	50 G 2,5	38,5	1660,00	2673,00	grey	V0: H05VVC4V5-K