



## USE OF CABLE

power, control and connecting cable in electrical facilities, for fixed laying and casually movement without tensile stress and without defined cable routing. Suitable for use in dry, humid and 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
- 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 with GNYE from 3 cores
Stranding:	Stranded in layers
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:	4 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:	Standard EN 50525-2-51 / VDE 0285-525-2-51
Approvals:	HAR

## ITEM OVERVIEW

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1003436	2 X 0,5	5,2 - 6,6	9,60	46,00	grey	V0: H05VV5-F
1001561	3 G 0,5	5,5 - 7,0	14,40	53,00	grey	V0: H05VV5-F
1000142	4 G 0,5	6,2 - 7,9	19,20	65,00	grey	V0: H05VV5-F
1001623	5 G 0,5	6,8 - 8,6	24,00	80,00	grey	V0: H05VV5-F
1000163	7 G 0,5	8,3 - 10,4	33,60	116,00	grey	V0: H05VV5-F
1000101	12 G 0,5	10,4 - 12,9	57,60	170,00	grey	V0: H05VV5-F
1000108	18 G 0,5	12,3 - 15,3	86,40	248,00	grey	V0: H05VV5-F
1003437	19 G 0,5	13,0	91,20	231,00	grey	V0: H05VV5-F
1003438	25 G 0,5	14,8 - 18,3	120,00	353,00	grey	V0: H05VV5-F
1003439	27 G 0,5	15,1 - 18,6	130,00	399,00	grey	V0: H05VV5-F
1002780	34 G 0,5	17,2 - 21,2	163,00	482,00	grey	V0: H05VV5-F
1002731	41 G 0,5	18,8 - 23,1	197,00	588,00	grey	V0: H05VV5-F
1002818	2 X 0,75	5,7 - 7,2	14,40	52,00	grey	V0: H05VV5-F

# H05VV5-F ... HAR

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1000133	3 G 0,75	6,0 - 7,6	21,60	64,00	grey	V0: H05VV5-F
1000143	4 G 0,75	6,6 - 8,3	28,80	78,00	grey	V0: H05VV5-F
1000153	5 G 0,75	7,4 - 9,3	36,00	98,00	grey	V0: H05VV5-F
1000164	7 G 0,75	9,0 - 11,3	50,40	146,00	grey	V0: H05VV5-F
1000102	12 G 0,75	11,0 - 13,7	86,40	212,00	grey	V0: H05VV5-F
1000109	18 G 0,75	13,2 - 16,4	130,00	311,00	grey	V0: H05VV5-F
1002819	19 G 0,75	14,2	137,00	369,00	grey	V0: H05VV5-F
1000118	25 G 0,75	15,8 - 19,5	180,00	427,00	grey	V0: H05VV5-F
1000122	27 G 0,75	16,2 - 19,9	194,00	462,00	grey	V0: H05VV5-F
1000127	34 G 0,75	18,4 - 22,6	245,00	588,00	grey	V0: H05VV5-F
1000138	41 G 0,75	20,1 - 24,7	295,00	711,00	grey	V0: H05VV5-F
1001625	50 G 0,75	22,1 - 27,0	360,00	859,00	grey	V0: H05VV5-F
1003207	61 G 0,75	23,6 - 28,9	439,00	1030,00	grey	V0: H05VV5-F
1003440	65 G 0,75	25,8 - 31,7	468,00	1071,00	grey	V0: H05VV5-F
1002782	2 X 1	5,9 - 7,5	19,20	63,00	grey	V0: H05VV5-F
1000134	3 G 1	6,3 - 8,0	28,80	77,00	grey	V0: H05VV5-F
1000144	4 G 1	6,9 - 8,7	38,40	94,00	grey	V0: H05VV5-F
1000154	5 G 1	7,8 - 9,8	48,00	120,00	grey	V0: H05VV5-F
1000165	7 G 1	9,5 - 11,8	67,20	173,00	grey	V0: H05VV5-F
1000103	12 G 1	11,8 - 14,6	115,00	258,00	grey	V0: H05VV5-F
1000110	18 G 1	14,0 - 17,2	173,00	370,00	grey	V0: H05VV5-F
1002820	19 G 1	14,3 - 17,6	182,00	404,00	grey	V0: H05VV5-F
1000119	25 G 1	16,8 - 20,7	240,00	518,00	grey	V0: H05VV5-F
1000123	27 G 1	17,0 - 21,0	259,00	558,00	grey	V0: H05VV5-F
1000128	34 G 1	19,2 - 23,6	326,00	708,00	grey	V0: H05VV5-F
1000130	36 G 1	19,4 - 23,8	346,00	730,00	grey	V0: H05VV5-F
1003007	37 G 1	20,5 - 21,3	355,00	763,00	grey	V0: H05VV5-F
1000139	41 G 1	21,0 - 26,2	392,00	846,00	grey	V0: H05VV5-F
1003066	48 G 1	23,9	461,00	970,00	grey	V0: H05VV5-F
1000149	50 G 1	22,9 - 28,0	480,00	1032,00	grey	V0: H05VV5-F
1000161	61 G 1	25,1 - 30,7	586,00	1265,00	grey	V0: H05VV5-F
1003441	65 G 1	26,5 - 32,7	624,00	1315,00	grey	V0: H05VV5-F
1002869	2 X 1,5	6,8 - 8,6	28,80	84,00	grey	V0: H05VV5-F
1000135	3 G 1,5	7,4 - 9,4	43,20	106,00	grey	V0: H05VV5-F
1000145	4 G 1,5	8,2 - 10,2	57,60	131,00	grey	V0: H05VV5-F
1000155	5 G 1,5	9,1 - 11,4	72,00	165,00	grey	V0: H05VV5-F
1000166	7 G 1,5	11,3 - 14,1	101,00	247,00	grey	V0: H05VV5-F
1000104	12 G 1,5	13,8 - 17,0	173,00	362,00	grey	V0: H05VV5-F
1000111	18 G 1,5	16,5 - 20,3	259,00	530,00	grey	V0: H05VV5-F
1000114	19 G 1,5	16,2 - 20,0	274,00	570,00	grey	V0: H05VV5-F
1000120	25 G 1,5	19,8 - 24,3	360,00	724,00	grey	V0: H05VV5-F
1000124	27 G 1,5	20,3 - 24,9	389,00	792,00	grey	V0: H05VV5-F
1003442	32 G 1,5	21,4 - 26,4	461,00	820,00	grey	V0: H05VV5-F

# H05VV5-F ... HAR

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1000129	34 G 1,5	23,1 - 28,2	490,00	1018,00	grey	V0: H05VV5-F
1000131	36 G 1,5	23,0 - 28,2	518,00	940,00	grey	V0: H05VV5-F
1003074	37 G 1,5	23,0 - 28,2	533,00	920,00	grey	V0: H05VV5-F
1000140	41 G 1,5	25,2 - 30,9	590,00	1272,00	grey	V0: H05VV5-F
1000150	50 G 1,5	27,7 - 34,1	720,00	1533,00	grey	V0: H05VV5-F
1001590	61 G 1,5	29,5 - 35,9	878,00	1889,00	grey	V0: H05VV5-F
1003443	2 X 2,5	8,4 - 10,6	48,00	123,00	grey	V0: H05VV5-F
1000136	3 G 2,5	9,2 - 11,4	72,00	155,00	grey	V0: H05VV5-F
1000146	4 G 2,5	10,1 - 12,5	96,00	197,00	grey	V0: H05VV5-F
1000156	5 G 2,5	11,2 - 13,9	120,00	242,00	grey	V0: H05VV5-F
1000167	7 G 2,5	13,6 - 16,8	168,00	365,00	grey	V0: H05VV5-F
1000105	12 G 2,5	16,8 - 20,6	288,00	541,00	grey	V0: H05VV5-F
1000106	14 G 2,5	17,5 - 22,1	336,00	610,00	grey	V0: H05VV5-F
1000112	18 G 2,5	20,2 - 24,8	432,00	798,00	grey	V0: H05VV5-F
1000121	25 G 2,5	24,2 - 29,6	600,00	1103,00	grey	V0: H05VV5-F
1000125	27 G 2,5	24,7 - 30,2	648,00	1203,00	grey	V0: H05VV5-F
1001197	34 G 2,5	28,1 - 34,3	816,00	1571,00	grey	V0: H05VV5-F
1003444	41 G 2,5	30,3 - 36,9	984,00	1893,00	grey	V0: H05VV5-F
1003445	50 G 2,5	33,8 - 41,2	1200,00	2252,00	grey	V0: H05VV5-F
1000162	61 G 2,5	35,0 - 42,9	1464,00	2777,00	grey	V0: H05VV5-F