H05VV5-F PVC Control Cable Oil Resistant

Application: In dry and wet locations for low and medium-level mechanical stress, but not in the open-air. To be used as a termination and connection cable in the control, measuring and signal technology. Suitable as a signal and impulse cable for control and inspection of industrial plants, production lines and machinery.

Construction:
1 ..... fine-stranded bare copper
2 ..... core insulation of polyvinylchloride (PVC-mixture YI2)
3 ..... outer sheath of polyvinylchloride (PVC-mixture YM2), grey

Standards:
DIN VDE 0285-525-2-51
DIN EN 60228 class 5 (construction)
core identification: 1 core green/yellow, other cores black with figures

Technical data:

Nominal voltage Uo/U		[V]	300 / 500 Volt
Test voltage		$[V]_{AC}$	2000
Temperature range	in motion		-5°C till +70°C
	fixed		-40°C till +70°C
Operating temperature	short circuit	°C	150°C
Bending radius	one time / fixed	x diameter	12,5
Bending radius	in motion	x diameter	15,0
Oil-resistant	standard		EN 60811-2-1
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm²	from stock	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter mm	Weight appr. kg / km
2 X 0,75	○	15,0	24 x 0,21	6,1	55
3 G 0,75	●	22,5	24 x 0,21	6,6	66
4 G 0,75	●	30,0	24 x 0,21	7,3	83
5 G 0,75	●	37,5	24 x 0,21	8,1	102
7 G 0,75	●	52,5	24 x 0,21	8,9	129
12 G 0,75	●	90,0	24 x 0,21	11,9	227
18 G 0,75	●	135,0	24 x 0,21	14,2	329
25 G 0,75	○	187,5	24 x 0,21	16,5	449
34 G 0,75	○	255,0	24 x 0,21	19,2	609
50 G 0,75 *	○	375,0	24 x 0,21	23,2	893
2 X 1	●	20,0	32 x 0,21	6,5	63
3 G 1	●	30,0	32 x 0,21	6,9	77
4 G 1	●	40,0	32 x 0,21	7,7	97
5 G 1	●	50,0	32 x 0,21	8,5	120
7 G 1	●	70,0	32 x 0,21	9,4	152
12 G 1	●	120,0	32 x 0,21	12,6	268
18 G 1	●	180,0	32 x 0,21	15,0	389
25 G 1	●	250,0	32 x 0,21	17,5	533
34 G 1	●	340,0	32 x 0,21	20,4	721

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Number of cores and nominal cross section mm²	from stock	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter mm	Weight appr. kg / km
2 X 1,5	○	30,0	30 x 0,26	7,6	90
3 G 1,5	●	45,0	30 x 0,26	8,2	110
4 G 1,5	●	60,0	30 x 0,26	9,1	138
5 G 1,5	●	75,0	30 x 0,26	10,1	172
7 G 1,5	●	105,0	30 x 0,26	11,1	219
12 G 1,5	●	180,0	30 x 0,26	14,9	388
18 G 1,5	●	270,0	30 x 0,26	17,9	565
25 G 1,5	●	375,0	30 x 0,26	20,9	775
34 G 1,5	●	510,0	30 x 0,26	24,3	1.051
3 G 2,5	●	75,0	50 x 0,26	9,7	162
4 G 2,5	●	100,0	50 x 0,26	10,7	205
5 G 2,5	●	125,0	50 x 0,26	12,0	256
7 G 2,5	●	175,0	50 x 0,26	13,2	328
12 G 2,5	●	300,0	50 x 0,26	17,8	581
18 G 2,5	●	450,0	50 x 0,26	21,3	848
34 G 2,5	○	850,0	50 x 0,26	29,0	1.584
4 G 4 *	●	160,0	56 x 0,31	11,6	280
5 G 4 *	●	200,0	56 x 0,31	14,1	340
7 G 4 *	●	280,0	56 x 0,31	15,1	445
4 G 6 *	○	240,0	84 x 0,31	16,8	450
5 G 6 *	○	300,0	84 x 0,31	18,4	550

* adapted to DIN VDE

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