H05VV5-F



Application

Special PVC control cable with an oil-proof outer sheath. These cables are used for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air. These are designed as control and connecting cables to machines, tool machineries, conveyor belts and production lines. These cables are not effected to the chemical influences. Cables for moist and wet rooms, specially used for machines in breweries, bottling plants and car washing stations. These cables may be allowed to move once installed provided that the cables are not mechanically stressed during movement.

The materials used are free from silicon and cadmium and free from varnish damaging sustances.

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Standards

acc. to DIN EN 50525-2-51 VDE 0285-525-2-51:2012-01
self-extinguishing and flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1
Oil resistant acc. to EN 60811-2-1

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

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Construction

Inner Conductor	fine-stranded bare copper acc. DIN VDE 0295 cl. 5 / IEC 60228 cl. 5
Core Insulation	special polyvinylchlorid compound (PVC) TI2 to DIN VDE 0281 part 1
Core Color	black cores with continuous white numbering according to DIN VDE 0293 green-yellow earth core in the outer layer (3 cores and above)
Stranding Elements	cores stranded in layers with optimalbr>lay-length
Outer Insulation Material	Polyvinylchlorid (PVC)
Constant Against	oil resistant

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Steuerleitungen
Control Cables

Technical Data

Nominal Voltage	U_0/U: 300 /500 V
Nominal Volatage DC	U_0/U: 0 /0
Test Voltage	2000 V
Bending Radius moved (xD)	12.5
Bending Radius fixed (xD)	4
Operating Temperature solid	-40 °C bis 70 °C
Operating Temperature moving	-5 °C bis 70 °C
Short Circuit Temperature	150 °C
Short Circuit Duration	5 sek.
Fire Classes	Eca

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Steuerleitungen
Control Cables

Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
00919066	X	2 x 0,5	grey - grey	46,0	5,9
00919048	X	2 x 0,75	grey - grey	52,0	6,0
00919050	X	2 x 1	grey - grey	63,0	6,2
00919036	X	2 x 1,5	grey - grey	77,0	7,3
00919004	G	3 G 0,5	grey - grey	54,0	6,2
00919028	G	3 G 0,75	grey - grey	68,0	6,7
00919008	G	3 G 1	grey - grey	78,0	7,0
00919018	G	3 G 1,5	grey - grey	97,0	7,9
00919022	G	3 G 2,5	grey - grey	154,0	9,6
00919060	G	3 G 4	grey - grey	230,0	11,3
00919061	G	3 G 6	grey - grey	358,0	12,9
00919002	G	4 G 0,5	grey - grey	65,0	6,7
00919014	G	4 G 0,75	grey - grey	82,0	7,3
00919009	G	4 G 1	grey - grey	104,0	7,6
00919019	G	4 G 1,5	grey - grey	128,0	8,7
00919015	G	4 G 2,5	grey - grey	212,0	10,8
00919037	G	4 G 4	grey - grey	295,0	12,4
00919040	G	4 G 6	grey - grey	424,0	14,2
00919039	G	4 G 10	grey - grey	701,0	18,1
00919041	G	4 G 16	grey - grey	1.035,0	20,9
00919001	G	5 G 0,5	grey - grey	80,0	7,4
00919032	G	5 G 0,75	grey - grey	107,0	8,3
00919016	G	5 G 1	grey - grey	123,0	8,7
00919017	G	5 G 1,5	grey - grey	149,0	9,6

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00919023	G	5 G 2,5	grey - grey	242,0	11,6
00919038	G	5 G 4	grey - grey	361,0	13,9
00919045	G	5 G 6	grey - grey	525,0	15,9
00919070	G	5 G 10	grey - grey	858,0	20,3
00919042	G	7 G 0,5	grey - grey	119,0	9,1
00919005	G	7 G 0,75	grey - grey	145,0	9,7
00919011	G	7 G 1	grey - grey	183,0	10,2
00919010	G	7 G 1,5	grey - grey	196,0	11,8
00919024	G	7 G 2,5	grey - grey	350,0	14,2
00919055	G	7 G 4	grey - grey	445,0	15,1
00919056	G	7 G 6	grey - grey	715,0	20,5
00919046	G	7 G 10	grey - grey	1.106,0	24,3
00919047	G	7 G 16	grey - grey	1.780,0	28,5
00919078	G	8 G 1	grey - grey	220,0	12,0
00919064	G	12 G 0,5	grey - grey	186,0	11,2
00919006	G	12 G 0,75	grey - grey	231,0	12,1
00919012	G	12 G 1	grey - grey	269,0	12,7
00919020	G	12 G 1,5	grey - grey	324,0	14,4
00919027	G	12 G 2,5	grey - grey	543,0	17,7
00919062	G	18 G 0,5	grey - grey	251,0	13,0
00919025	G	18 G 0,75	grey - grey	313,0	14,0
00919029	G	18 G 1	grey - grey	400,0	15,0
00919007	G	18 G 1,5	grey - grey	485,0	17,2
00919033	G	18 G 2,5	grey - grey	787,0	21,4

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00919063	G	25 G 0,5	grey - grey	349,0	16,0
00919034	G	25 G 0,75	grey - grey	461,0	17,0
00919013	G	25 G 1	grey - grey	546,0	18,0
00919021	G	25 G 1,5	grey - grey	671,0	21,7
00919030	G	25 G 2,5	grey - grey	1.175,0	26,1
00919035	G	34 G 0,75	grey - grey	614,0	19,1
00919026	G	34 G 1	grey - grey	724,0	20,6
00919031	G	34 G 1,5	grey - grey	881,0	24,1
00919053	G	50 G 1,5	grey - grey	1.270,0	30,3
00919044	G	65 G 1	grey - grey	1.315,0	28,1

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