H05VVC4V5-K



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. The interconnection of parts of machines used for manufacturing purposes including machine tools where some degree of protection against electromagnetic interference is required.

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

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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Steuerleitungen
Control Cables

Construction

Inner Conductor	tor 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
Inner Sheath Material	special PVC inner sheath, TM2 to DIN VDE 0281 part 1
Overall Shielding	braid shield copper tinned
Outer Insulation Material	special PVC TM5 to DIN VDE 0281 part 1, HD 21.1.S4/A16
Constant Against	oil resistant

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)	20
Bending Radius fixed (xD)	6
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.
00920058	X	2 x 0,5	grey - grey	92,0	8,4
00920027	X	2 x 0,75	grey - grey	84,0	8,6
00920052	X	2 x 1	grey - grey	114,0	8,6
00920018	X	2 x 1,5	grey - grey	146,0	9,1
00920024	G	3 G 0,5	grey - grey	109,0	8,4
00920004	G	3 G 0,75	grey - grey	115,0	8,8
00920003	G	3 G 1	grey - grey	142,0	9,3
00920007	G	3 G 1,5	grey - grey	176,0	10,2
00920013	G	3 G 2,5	grey - grey	243,0	11,7
00920046	G	4 G 0,5	grey - grey	126,0	9,1
00920005	G	4 G 0,75	grey - grey	150,0	9,8
00920001	G	4 G 1	grey - grey	175,0	10,2
00920002	G	4 G 1,5	grey - grey	207,0	10,9
00920016	G	4 G 2,5	grey - grey	280,0	12,8
00920020	G	4 G 4	grey - grey	430,0	15,7
00920021	G	4 G 6	grey - grey	579,0	17,3
00920022	G	4 G 10	grey - grey	894,0	22,0
00920023	G	4 G 16	grey - grey	1.340,0	25,5
00920050	G	4 G 25	grey - grey	1.692,0	31,6
00920057	G	4 G 35	grey - grey	2.320,0	34,4
00920048	G	5 G 0,5	grey - grey	156,0	10,1
00920014	G	5 G 0,75	grey - grey	173,0	10,8
00920006	G	5 G 1	grey - grey	205,0	11,0
00920008	G	5 G 1,5	grey - grey	235,0	11,6

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00920017	G	5 G 2,5	grey - grey	342,0	13,9
00920054	G	5 G 10	grey - grey	927,0	24,6
00920026	G	7 G 0,5	grey - grey	192,0	11,4
00920019	G	7 G 0,75	grey - grey	235,0	12,1
00920015	G	7 G 1	grey - grey	264,0	12,9
00920009	G	7 G 1,5	grey - grey	314,0	13,5
00920033	G	7 G 2,5	grey - grey	500,0	17,4
00920060	G	7 G 6	grey - grey	850,1	21,0
00920047	G	12 G 0,5	grey - grey	390,0	13,5
00920028	G	12 G 0,75	grey - grey	330,0	15,5
00920031	G	12 G 1	grey - grey	400,0	17,0
00920010	G	12 G 1,5	grey - grey	500,0	16,8
00920034	G	12 G 2,5	grey - grey	740,0	20,9
00920029	G	18 G 0,75	grey - grey	470,0	19,0
00920032	G	18 G 1	grey - grey	560,0	20,0
00920012	G	18 G 1,5	grey - grey	707,0	20,0
00920035	G	18 G 2,5	grey - grey	1.055,0	24,9
00920030	G	25 G 0,75	grey - grey	620,0	21,5
00920011	G	25 G 1	grey - grey	766,0	21,1
00920025	G	25 G 1,5	grey - grey	950,0	25,2
00920039	G	34 G 1,5	grey - grey	1.204,0	29,0

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