

Lift and Festoon Cables

H05VVH6-F

PVC flat festoon power and control cable with black conductors, 300/500V



<VDE> <HAR> H05VVH6-F 24GO.75 mm² CE



Marking for H05VVH6-F 2142407:

SAB BRÖCKSKES · D-VIERSEN · <VDE> <HAR> H05VVH6-F 24GO.75 mm² CE

Application: H05VVH6-F is a flexible, flame retardant, PVC festoon power and control cable designed for use on overhead crane and material handling systems. The flat construction allows cables to be stacked for applications where space is limited.

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Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	PVC
Color code:	black conductors with white numbers and a green/yellow ground
Stranding:	conductors parallel side by side in groups
Jacket material:	PVC
Jacket color:	black (RAL 9005)

Outstanding features:



smaller bending radius in contrast to round cables

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Min. bending radius:	10 x height
Temperature range:	
<i>static:</i>	-40/+70°C
<i>flexible:</i>	0/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	acc. to internal standard, see page O/29
Approvals:	VDE, HAR, CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	dimension		cable weight ≈ lbs/mft
		width x height inch	width x height mm	
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²				
2140607	6	0.701 x 0.165	17.8 x 4.2	92
2140907	9	1.016 x 0.165	25.8 x 4.2	134
2141207	12	1.539 x 0.165	39.1 x 4.2	175
2141607	16	1.712 x 0.165	43.5 x 4.2	230
2141807	18	1.906 x 0.165	48.4 x 4.2	257
2142007	20	2.122 x 0.165	53.9 x 4.2	286
2142407	24	2.531 x 0.165	64.3 x 4.2	342
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
2140410	4	0.500 x 0.169	12.7 x 4.3	71
2140510	5	0.602 x 0.169	15.3 x 4.3	87
2140610	6	0.724 x 0.169	18.4 x 4.3	103
2140910	9	1.051 x 0.169	26.7 x 4.3	151
2141210	12	1.350 x 0.169	34.3 x 4.3	196
2141610	16	1.776 x 0.169	45.1 x 4.3	259
2141810	18	1.976 x 0.169	50.2 x 4.3	289
2142010	20	2.201 x 0.169	55.9 x 4.3	322
2142410	24	2.626 x 0.169	66.7 x 4.3	384

Other dimensions and colors are available on request



Application example: in elevators up to 35 m freely suspended or in fitted vehicles for cranes and hoisting systems with one level bending