

German Standard Industrial Cables H05V3V3H6-F/ H05V3V3D3H6-F



Application and Description

This kind of flat cables are used in crews of elevators for people and have burdens, and conducting very swift and hard parts of machines. H05V3V3H6-F type cables having no stretcher carrier elements are advised to use in elevator instalations max. swift not pass 4.0 m/s.

These cables freely hanging height is max. 45m and movement limit is max 80m. For the H05V3V3D3H6-F, at the swifts between 4.0/s to 6.3m/s, it's advised to use the cables having stretcher carrier elements. H05V3V3D3H6-F type cables freely hanging height is max. 80m movement limit is max. 150m.

Standard and Approval

- EN 50214
- HD 359 S3
- IEC 60332-1
- CSA C22.2 N° 49
- DIN VDE 0281 part 404
- UL 62

Cable Construction

Bare copper strand conductor
acc. to DIN VDE 0295 class 5/6 resp. IEC 60228 class 5/6
PVC T15 core insulation
Color coded to VDE 0293-308, >6 wires black with white numerals with green/yellow wire
Black PVC TM 4 sheath

Technical Characteristics

WORKING VOLTAGE: 300/500V
TEST VOLTAGE: 2000V
FLEXING TEMPERATURE: -35 °C to +70 °C
FLAME RETARDANT: IEC 60332 -1
INSULATION RESISTANCE: 350 MΩ x km

Cable Parameter

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA	NOMINAL OVERALL DIMENSION	NOMINAL COPPER WEIGHT	NOMINAL WEIGHT
	# X MM ²	MM	KG/KM	KG/KM
H05V3V3H6-F				
18(24/32)	12 x 0.75	33.7 x 4.3	79	251
18(24/32)	16 x 0.75	44.5 x 4.3	105	333
18(24/32)	18 x 0.75	49.2 x 4.3	118	371
18(24/32)	20 x 0.75	55.0 x 4.3	131	415
18(24/32)	24 x 0.75	65.7 x 4.3	157	496

17(32/32)	12 x 1	35.0 x 4.4	105	285
17(32/32)	16 x 1	51.0 x 4.4	157	422
17(32/32)	20 x 1	57.0 x 4.4	175	472
17(32/32)	24 x 1	68.0 x 4.4	210	565
H05V3V3D3H6-F				
18(24/32)	20 x 0.75	61.8 x 4.2	131	462
18(24/32)	24 x 0.75	72.4 x 4.2	157	546
17(32/32)	12 x 1	41.8 x 4.3	105	330
17(32/32)	14 x 1	47.8 x 4.3	122	382
17(32/32)	18 x 1	57.8 x 4.3	157	470
17(32/32)	22 x 1	69.8 x 4.3	192	572
17(32/32)	24 x 1	74.8 x 4.3	210	617