



TOPFLAT H05VVH6-F & H07VVH6-F

Flat cables for lifts, cranes, hoists and conveyor systems.

HD 359 – EN 50214

DESIGN

1. Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228 and IEC 60228.

2. Insulation

Flexible PVC.

The standard identification of insulated conductors is the following:

4 G	Brown + Black + Grey + Green/yellow
6 or more conductors	Black numbered+ Green/yellow

3. Outer sheath

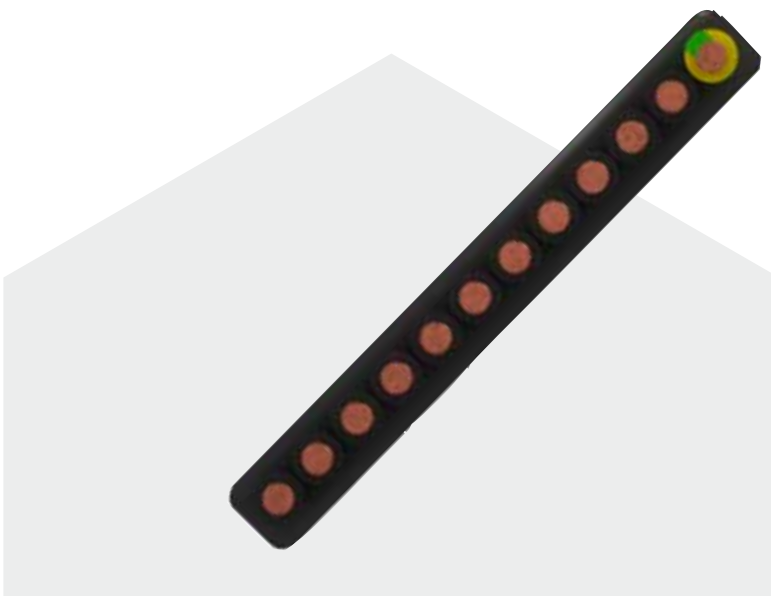
Flexible PVC outer sheath, black colour. The ripcord allows you to gently tear the outer-sheath allowing you to gently peel it away without damaging the screen.

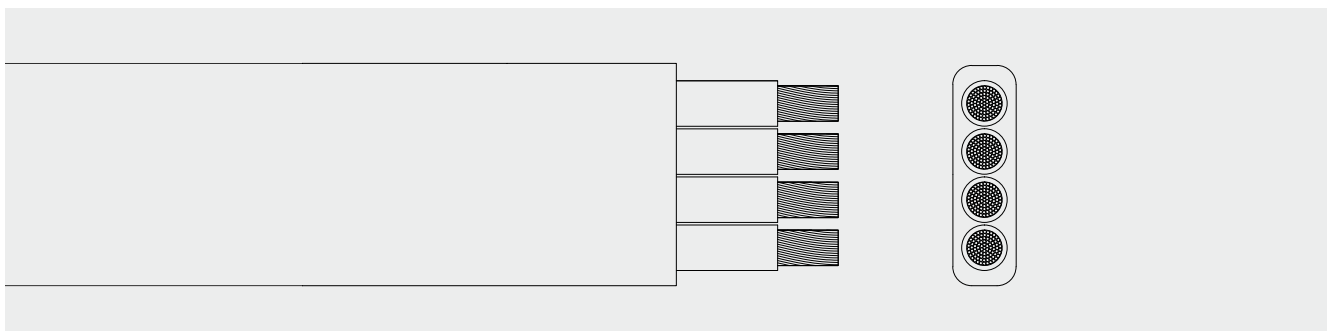
APPLICATIONS

The Topflat H05VVH6-F & H07VVH6-F is a flat cable specially designed for cranes, lifts, hoists, drum reeling and conveyor systems. The hanging length of the cable can reach up to 35m and its pull out speed can reach up to 1.6 m/s (overlying cables is not recommended when installing).



This cable render is an example from this product range and does not necessarily match the selected core size or number of cores.





CHARACTERISTICS



Electrical performance

LOW VOLTAGE 300/500 V 450/750 V



Standard

HD 359 – EN 50214



Approvals

CE
HAR
AENOR
SASO
RoHS



Thermal performance

Maximum service temperature: 70°C.
Maximum short-circuit temperature: 160°C (max. 5 s).
Minimum service temperature: 0°C.



Fire performance

Flame non-propagation based on UNE-EN 60332-1 and IEC 60332-1.
Reduced emission of halogens. Chlorine <15%.



Mechanical performance

Minimum bending radius: x25 cable diameter.
Impact resistance: AG2 Medium severity.



Chemical performance

Chemical & Oil resistance: Acceptable.



Water performance

Water resistance: AD5 Jets.



Other

Meter by meter marking.



Installation conditions

Open Air.



Applications

Industrial use.
Mobile use.
Hoists.
Cranes.
Elevators, lifts.
Conveyors.





DIMENSIONS

Cross section (mm ²)	Diameter (mm ²)	Weight (Kg/km)	Open Air	Buried	Voltage drop (V/A · km)
			30°C (A)	20°C (A)	
6 G 0,75 (*)	17 x 3,9	114	14,0	-	62,4
8 G 0,75 (*)	22 x 3,9	171	14,0	-	62,4
12 G 0,75 (*)	31 x 3,9	229	14,0	-	62,4
18 G 0,75 (*)	41 x 3,9	304	14,0	-	62,4
20 G 0,75 (*)	50 x 3,9	380	14,0	-	62,4
24 G 0,75 (*)	60 x 3,9	447	14,0	-	62,4
4 G 1	12 x 4,1	97	14,0	-	40,5
6 G 1	18 x 4,1	140	17,0	-	46,8
8 G 1	23 x 4,1	182	17,0	-	46,8
12 G 1	33 x 4,1	267	17,0	-	46,8
16 G 1	44 x 4,1	352	17,0	-	46,8
20 G 1	55 x 4,1	437	17,0	-	46,8
24 G 1	65 x 4,1	523	17,0	-	46,8
4 G 1,5	17 x 5,3	149	18,5	-	27,6
6 G 1,5	22 x 5,3	213	22,0	-	31,9
8 G 1,5	28 x 5,3	271	22,0	-	31,9
12 G 1,5	41 x 5,3	399	22,0	-	31,9
*16 G 1,5	54 x 5,3	528	22,0	-	31,9
4 G 2,5	21 x 5,9	219	25,0	-	16,6
6 G 2,5	27 x 5,9	309	30,0	-	19,2
8 G 2,5	34 x 5,9	399	30,0	-	19,2
12 G 2,5	50 x 5,9	590	30,0	-	19,2
4 G 4	23 x 7,0	301	34,0	-	10,3
4 G 6	25 x 7,2	389	43,0	-	6,86
4 G 10	30 x 9,3	640	60,0	-	3,97
4 G 16	35 x 10,5	928	80,0	-	2,51
4 G 25	44 x 13,1	1.435	101,0	-	1,62
*4 G 35	48 x 14,4	1.880	126,0	-	1,15
*4 G 50	57 x 16,3	2.580	153,0	-	0,802
*4 G 70	62 x 17,8	3.374	196,0	-	0,565

(*) These cables are not covered by the reference standard, therefore they do not carry the H of Harmonized.

Maximum current capacity according to IEC 60364-5-52.

For other installation conditions, please refer to correction factors in the appendix to this catalog.

See more technical data on the particular cable specification.

Top Cable reserves the right to carry out any modification to the data sheets whatsoever without giving previous notice.

For more information: sales@topcable.com

