

H07VVH6 PVC PLATFORM CABLE



APPLICATION

PVC Platform Cable is designed for power and control systems, cranes and control bridges, moving machinery such as overhead cranes and hoisting systems. The cable is suitable for use indoors and outdoors in dry, humid and wet conditions. To Harmonised code H07VVH6-F

CABLE STANDARDS

CENELEC HD 359 S2
IEC 227 part 6
H07VVH6-F

CONSTRUCTION

Conductor: Flexible Plain Copper Conductors

Insulation: Polyvinyl Chloride (PVC)

Sheath: Special Polyvinyl Chloride (PVC)

Sheath Colour: ■ Black

CHARACTERISTICS

Voltage Rating: 450/750 Volts

Temperature Limits: Fixed: -25°C to +70°C,

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

4 Core: ■ Brown ■ Blue ■ Grey ■ G/Y

Cable with 7 core and 12 Core:

Black ■ with White Numbers plus ■ G/Y

Should not be installed below 0°C

H07VVH6 PVC PLATFORM CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO OF CORES	WEIGHT (KG/KM)	OVERALL DIMENSIONS (MM)	GLAND SIZE (MM)
FLAT4X1/5V	1.5	30/0.25	4	150	15X5	20
FLAT12X1/5V	1.5	30/0.25	12	420	41X5	11
FLAT4X2/5V	2.5	50/0.25	4	210	19X6	27
FLAT12X2/5V	2.5	50/0.25	12	620	51X6	16
FLAT4X4V	4	56/0.30	4	300	21X7	36
FLAT4X6V	6	84/0.30	4	385	23X7	48
FLAT4X10V	10	80/0.40	4	620	29X9	63
FLAT4X16V	16	126/0.40	4	990	37X11	85
FLAT4X25V	25	196/0.40	4	1550	46X1	112
FLAT4X35V	35	276/0.40	4	2030	51X15	138
FLAT4X50V	50	396/0.40	4	2650	56X17	168
FLAT4X70V	70	360/0.50	4	3650	63X18	213
FLAT4X95V	95	475/0.50	4	4550	73X21	258

H07VVH6 PVC PLATFORM CABLE- CURRENT CARRYING CAPACITY (AMPERES)

CONDUCTOR CROSS - SECTIONAL AREA MM ²	60°C CONDUCTOR OPERATING TEMPERATURE			85°C CONDUCTOR OPERATING TEMPERATURE		
	SINGLE-PHASE AC OR DC *1MM - 2.5MM AC ONLY		THREE-PHASE AC	SINGLE-PHASE AC OR DC		THREE-PHASE AC
	2 CORE CABLE WITH OR WITHOUT PROTECTIVE CONDUCTOR	2 SINGLE CORE CABLES	3, 4 OR 5 CORE CABLE	2 CORE CABLE WITH OR WITHOUT PROTECTIVE CONDUCTOR	2 SINGLE CORE CABLES TOUCHING	3, 4 OR 5 CORE CABLE
1	2	3	4	5	6	7
(MM ²)	(A)	(A)	(A)	(A)	(A)	(A)
1*	10	-	10	-	-	-
1.5*	16	-	16	-	-	-
2.5*	25	-	20	-	-	-
4	30	-	26	41	-	36
6	39	-	34	53	-	47
10	51	-	47	73	-	64
16	73	-	63	99	-	86
25	97	-	83	131	-	114
35	-	140	102	-	192	140
50	-	175	124	-	240	170
70	-	216	158	-	297	216
95	-	258	192	-	354	262

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

H07VVH6 PVC FLATFOAMCABLE - VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA MM ²	2 CORE CABLE DC mV/A/m	TWO CORE CABLE SINGLE-PHASE AC mV/A/m			1 X THREE CORE, FOUR CORE OR FIVE CORE CABLE, THREE PHASE AC			2 X SINGLE CORE CABLES TOUCHING			
								DC mV/A/m	SINGLE PHASE AC * mV/A/m		
		R	X	Z	R	X	Z	R	X	Z	
1	46										
1.5	32										
2.5	19										
4	12										
6	7.8										
10	4.6										
16	2.9										
25	1.8	1.8	0.175	1.85	1.55	0.15	1.55	-	-	-	
35	-	-	-	-	1.10	0.15	1.15	1.31	1.31	0.21	
50	-	-	-	-	0.83	0.145	0.84	0.91	0.91	0.21	
70	-	-	-	-	0.57	0.14	0.58	0.64	0.64	0.2	
95	-	-	-	-	0.42	0.135	0.44	0.49	0.49	0.195	
120	-	-	-	-	0.33	0.135	0.36	0.38	0.38	0.19	
150	-	-	-	-	0.27	0.13	0.3	0.31	0.31	0.19	
185	-	-	-	-	0.22	0.13	0.26	0.25	0.25	0.19	
240	-	-	-	-	0.17	0.13	0.21	0.19	0.195	0.185	
300	-	-	-	-	0.135	0.125	0.185	0.15	0.155	0.18	
400	-	-	-	-	-	-	-	0.115	0.12	0.175	
500	-	-	-	-	-	-	-	0.09	0.099	0.17	
630	-	-	-	-	-	-	-	0.068	0.079	0.17	

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CONDUCTOR OPERATING TEMPERATURE: 90°C

R = RESISTIVE COMPONENT
X = REACTIVE COMPONENT
Z = IMPEDANCE VALUE

* A LARGER VOLTAGE DROP WILL RESULT IF THE CABLES ARE SPACED APART

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.