

H07RNH6-F RUBBER PLATFORM CABLE



APPLICATION

Rubber platform cables are generally used on moving mechanical machinery such as overhead cranes and hoisting systems and are often found in festoon lighting. The cable is suitable for use in dry, humid and wet conditions. To harmonised code - H07RNH6-F

CABLE STANDARDS

H07RNH6-F

CONSTRUCTION

Conductor: Flexible Plain Copper Conductors

Insulation: Thermoplastic Rubber (TPR)

Sheath: Thermoplastic Rubber (TPR)

Sheath Colour: Black

CHARACTERISTICS

Voltage Rating: 450/750Volts

Temperature Limits: Fixed: -35°C to +65°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

H07RNH6-F RUBBER PLATFORM CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (mm ²)	STRANDING (MM)	NO OF CORES	WEIGHT (Kg/Km)	OVERALL DIMENSIONS (mm)	MAX RATINGS (amps)
FLAT4X1/5R	1.5	30/0.25	4	110	17.01 X 5.00	22
FLAT12X1/5R	1.5	30/0.25	12	320	46.93 X 8.87	12
FLAT4X2/5R	2.5	50/0.25	4	170	19.98 X 7.43	30
FLAT7X2/5R	2.5	50/0.25	7	300	38.11 X 10.74	20
FLAT12X2/5R	2.5	50/0.25	12	490	53.93 X 8.88	20
FLAT4X4R	4	56/0.30	4	250	23.05 X 8.63	40
FLAT4X6R	6	84/0.30	4	330	28.55 X 9.56	52
FLAT4X10R	10	80/0.40	4	550	31.85 X 10.66	70
FLAT4X16R	16	126/0.40	4	800	38.77 X 13.51	95
FLAT4X25R	25	196/0.40	4	1350	49.10 X 11.00	127
FLAT4X35R	35	276/0.40	4	180	55.20 X 15.01	157
FLAT4X50R	50	396/0.40	4	2400	63.10 X 17.20	190
FLAT4X70R	70	360/0.50	4	3250	71.10 X 19.01	242

H07RNH6-F RUBBER PLATFORM CABLE- CURRENT CARRYING (AMPERES)

CONDUCTOR CROSS - SECTIONAL AREA MM ²	60°C CONDUCTOR OPERATING TEMPERATURE			85°C CONDUCTOR OPERATING TEMPERATURE	
			THREE-PHASE AC	SINGLE-PHASE AC OR DC	
	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
1	2	3	4	5	6
(MM ²)	(A)	(A)	(A)	(A)	(A)
1*	10	-	10	-	-
1.5*	16	-	16	-	-
2.5*	25	-	20	-	-
4	30	-	26	41	-
6	39	-	34	53	-
10	51	-	47	73	-
16	73	-	63	99	-
25	97	-	83	131	-
35	-	140	102	-	192
50	-	175	124	-	240
70	-	216	158	-	297
95	-	258	192	-	354

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

H07RNH6-F RUBBER FLATFORM CABLE - 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		
1	46	46			40			-	-		
1.5	32	32			27			-	-		
2.5	19	19			16			-	-		
4	12	12			10			-	-		
6	7.8	7.8			6.7			-	-		
10	4.6	4.6			4			-	-		
16	2.9	2.9			2.5			-	-		
		R	X	Z	R	X	Z	R	X	Z	
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.