

## H07RNH6-F Rubber Flatform Cable - TPR - 1.5mm<sup>2</sup> to 70mm<sup>2</sup>



### Description

Rubber flatform 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

### Key Features



**Voltage Rating**  
450/750 Volts



**Minimum Bending Radius**  
8 x Overall Diameter



**Oils, Greases and Chemicals Resistant**  
Yes



**Flame Retardancy**  
IEC/EN 60332-1-2



**Temperature Limits**  
Temperature Range: -35°C to + 65°C

### Core Colours

4 core - Brown Blue Grey Green Yellow

7 and 12 cores - Black cores with White numbers and one Green Yellow

### Standards

- BS EN/IEC 60228
- BS EN/IEC 60332-1-2
- BS EN 50525-2-21
- BS EN 60811-2-1
- Conforms to H07RNH6-F

### Construction

- **Conductor:** Flexible Plain Copper Conductors
- **Insulation:** Thermoplastic Rubber (TPR)
- **Sheath:** Thermoplastic Rubber (TPR)

### QA Lab

#### Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



#### CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



### Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



#### ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

#### ecovadis

## H07RNH6-F Rubber Flatform Cable - TPR - 1.5mm<sup>2</sup> to 70mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Stranding(mm)	Overall Dimensions(mm)	Max Ratings (Amps)	Weight(Kg/Km)
FLAT4X1/5R	1.5	4	30/0.25	16X5	22	110
FLAT12X1/5R	1.5	12	30/0.25	29X5	12	320
FLAT4X2/5R	2.5	4	50/0.25	19X6	30	170
FLAT7X2/5R	2.5	7	50/0.25	33X7	20	300
FLAT12X2/5R	2.5	12	50/0.25	51X6	20	490
FLAT4X4R	4	4	56/0.30	21X7	40	250
FLAT4X6R	6	4	84/0.30	24X7	52	330
FLAT4X10R	10	4	80/0.40	29X9	70	550
FLAT4X16R	16	4	126/0.40	35X10	95	800
FLAT4X25R	25	4	196/0.40	46X14	127	1350
FLAT4X35R	35	4	276/0.40	51X15	157	1800
FLAT4X50R	50	4	396/0.40	56X17	190	2400
FLAT4X70R	70	4	360/0.50	63X18	242	3250

FLATFORM CABLE - ELECTRICAL PROPERTIES

CURRENT-CARRYING CAPACITY (AMPS)					VOLTAGE DROP		
CONDUCTOR SIZE	MULTICORE FLAT CABLE THREE PHASE AC						
	REFERENCE METHOD A CONDUIT IN A THERMALLY INSULATED WALL	REFERENCE METHOD B CONDUIT OR TRUNKING ON A WALL	REFERENCE METHOD C CLIPPED DIRECT	REFERENCE METHOD E FREE AIR ON PERFORATED CABLE TRAY			
(MM <sup>2</sup> )	(A)	(A)	(A)	(A)	mV/A/m		
1*	13	15	17	18	40		
1.5*	16.5	19.5	22	23	27		
2.5*	22	26	30	32	16		
4	30	35	40	42	10		
6	38	44	52	54	6.8		
10	51	60	71	75	4		
16	68	80	96	100	2.5		
					R	X	Z
25	89	105	119	127	1.6	0.14	1.65
35	109	128	147	158	1.15	0.135	1.15
50	130	154	179	192	0.86	0.135	0.87
70	164	194	229	246	0.59	0.13	0.6
95	197	233	328	298	0.43	0.13	0.45

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.