

H07RNH6-F Rubber Flatform Cable - TPR - 1.5mm² to 70mm²



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

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 - 1.5mm² to 70mm² - Dimensions

| Reference | Conductor Size (mm2) | 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 | | | |
| (MM²) | (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 |

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