

HRP SERIES

High Performance Flexible Rubber Cable C/W 2 X PILOT
0.6/1kV 90°C



APPLICATIONS:

Pumping Complete with two 1.5mm pilots, this cable is suitable for permanent submersion to 100 metres.

Waste Water Treatment Plants Suitable for submersion in polluted liquids and aggressive environments up to 10 metres.

Lighting and Entertainment With its extra durable CPE sheath, this cable is suitable for outdoor temporary power supplies and lighting leads.

Marine Flexible tinned copper cable for installation in pleasure craft and other marine applications.

PRODUCT FEATURES:

- ▶ UV stabilised
- ▶ Tinned fine stranded copper conductor
- ▶ Flame retardant
- ▶ Water and moisture resistant
- ▶ Good dielectric properties
- ▶ Resistant to environmental factors such as oxidation, ozone & sunlight
- ▶ Very good behaviour to variations of outdoor temperatures
- ▶ Good tensile strength, tearing strength, and abrasion resistance
- ▶ Good elongation at break
- ▶ Heat, oil and chemical resistant (See *Technical Section*)

CONSTRUCTION:

Conductor Annealed tinned copper stranded high flexibility (Class 5).

Insulation R-90.

Sheath CPE Elastomer Rubber.

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 90°C / Flexing -25°C to 90°C.

Maximum Conductor Temperature 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage U_o/U 0.6/1kV.

Max AC Operating Voltage U_o 0.7kV.



Minimum Bending Radius Fixed 4 x cable diameter / Flexing 6 x cable diameter.

Sheath Colour Black.

Standard Core Colours

4 Core – Brown, Black, Grey, Green/Yellow + 2 x white numbered pilots.

Relevant Standards DIN VDE 0295, DIN VDE 0165, IEC 60332-1, EN 50363, EN 50525-2-21, **RoHS** Compliant.

| Code | No. of Cores x Size (mm ²) | Approx. Stranding No. of wires x mm | Approx. Overall Diameter +/- 10% (mm) | Approx. Weight (Kg/Km) | Nominal Amps un-enclosed protected from sun @ 30°C fixed application | | 3 Phase Volt Drop @ 50Hz / MAX. Conductor Temp: 90°C (Mv/Am) |
|-----------------|---|--|--|---------------------------|--|---|---|
| | | | | | Touching  |  | |
| HRP4G1.5 | 4 x 1.5 + (2 x 1.5) | 30/0.25 (30/0.25) | 15.0 | 310 | 21 | | 30.000 |
| HRP4G2.5 | 4 x 2.5 + (2 x 1.5) | 50/0.25 (30/0.25) | 17.3 | 420 | 29 | | 16.400 |
| HRP4G4.0 | 4 x 4.0 + (2 x 1.5) | 56/0.30 (30/0.25) | 20.3 | 570 | 37 | | 10.200 |
| HRP4G6.0 | 4 x 6.0 + (2 x 1.5) | 84/0.30 (30/0.25) | 24.0 | 720 | 47 | | 6.800 |
| HRP4G10 | 4 x 10 + (2 x 1.5) | 80/0.40 (30/0.25) | 27.5 | 1170 | 67 | | 4.050 |
| HRP4G16 | 4 x 16 + (2 x 1.5) | 128/0.40 (30/0.25) | 29.5 | 1310 | 89 | | 2.550 |
| HRP4G25 | 4 x 25 + (2 x 1.5) | 200/0.40(30/0.25) | 33.5 | 1910 | 119 | | 1.610 |
| HRP4G35 | 4 x 35 + (2 x 1.5) | 280/0.40(30/0.25) | 37.5 | 2460 | 149 | | 1.170 |

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