



HO PLUS SERIES

Ultra Performance Flexible Rubber Cable



APPLICATIONS:

Hazardous Areas With correct explosion proof glands this cable can be installed in locations subject to explosion hazards rated 0.6/1kV (DIN VDE 0165).

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

Lighting & 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.

Power Used on construction sites due to its outstanding flexibility, durability and industrial performance.

Pumping Suitable for permanent submersion to 200 metres.

Materials and Handling Systems Suitable for cable spring reelers and large energy chains.

PRODUCT FEATURES:

- ▶ Tinned fine stranded copper conductor
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Water and moisture resistant
- ▶ Good elongation at break
- ▶ Resistant to environmental factors such as oxidation, ozone and sunlight
- ▶ Suitable for permanent submersion to 200 metres
- ▶ Good tensile strength, tearing strength and abrasion resistance
- ▶ Heat, oil and chemical resistant (See *Technical Section*)

CONSTRUCTION:

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

Insulation EPR R90.

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 H05=300/500V, H07=0.6/1kV.

Max AC Operating Voltage U_o 0.7kV.

Minimum Bending Radius Fixed 4 x cable diameter / flexing 6 x cable diameter / Drag chains and spring reelers 10 x cable diameter.

Sheath Colour Black.

Standard Core Colours

2 Core – Blue, Brown.

3 Core – Blue, Brown, Green/Yellow.

4 Core – Brown, Black, Grey, Green/Yellow.

Multi Core – Black Numbered + Green/Yellow.

Relevant Standards H07RN-F Type, 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 Touching 	3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
H05RN-F 300/500V						
HO2/0.75B	2 x 0.75	24/0.20	6.4	62	12	54.800
HO2/1.0B	2 x 1.0	32/0.20	7.0	72	20	46.800
HO3G0.75B	3 x 0.75	24/0.20	7.0	77	12	54.800
HO3G1.0B	3 x 1.0	32/0.20	7.1	125	20	46.800
HO4G0.75B	4 x 0.75	24/0.20	8.8	78	11	54.800
HO4G1.0B	4 x 1.0	32/0.20	10.0	155	17	46.800
H07RN-F 0.6/1kV						
HO7G4.0B	7 x 4.0	56/0.30	21.5	660	27	10.200
HO7G6.0B	7 x 6.0	84/0.30	24.8	956	35	6.800

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