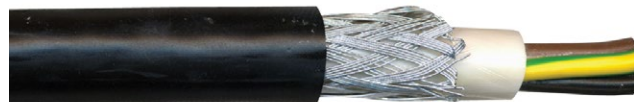


HDSY SERIES

Ultra Performance Flexible Rubber SWB Cable Double Sheath 0.6/1kV 90°C



APPLICATIONS:

Hazardous Areas With correct explosion proof glands this cable can be installed in locations subject to explosion hazards.

Power Special steel wire braided flexible cable for where extra mechanical protection is required on machine tools, construction and engineering equipment, conveyors and other industrial applications.

PRODUCT FEATURES:

- ▶ Excellent safety and durability
- ▶ Very high flexibility
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Abrasion resistant
- ▶ Suitable for permanent submersion to 200 metres
- ▶ Resistant to environmental factors such as oxidation, ozone & sunlight
- ▶ Heat, oil, petrol and chemical resistant (*See Technical Section*)

CONSTRUCTION:

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

Insulation Special SPVC.

Separator Added separator or bedding of extruded or taped NBR material for safety and durability. Silicate powder lubricant between cores and inner sheath to reduce friction.

Screening Braiding of galvanised steel wires for electrical screening and mechanical protection. 82% coverage.

Sheath Special NBR.

CHARACTERISTICS:

Operating Temperature Range Fixed -20°C to 90°C / Flexing -20°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 10 x cable diameter / Flexing 15 x cable diameter.

Sheath Colour Black.


Standard Core Colours

3 Core – Blue, Brown, Green/Yellow.

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

Relevant Standards IEC 60092-3, IEC 60092-350, IEC 60092-353, IEC 60332-1, AS/NZS 5000.1, AS/NZS 1125, AS/NZS 3808,

RoHS Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps enclosed protected from sun @ 30°C fixed application	3 Phase Volt Drop @ 50Hz / MAX. Conductor Temp:
					Touching 	75°C (Mv/Am)
HDSY03/1.5	3 x 1.5	48/0.20	12.8	220	21	28.600
HDSY03/2.5	3 x 2.5	80/0.20	14.2	260	29	15.600
HDSY04/1.5	4 x 1.5	48/0.20	13.6	261	18	28.600
HDSY04/2.5	4 x 2.5	80/0.20	15.2	295	24	15.600