

FLEXIBLE MULTI CORE CABLES

HD SERIES

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



APPLICATIONS:

Extension Leads Used on construction sites due to its outstanding flexibility and cable memory. Suitable for tough climatic and mechanical conditions.

Power With a separator acting as a second sheath this cable provides extra safety for machine tools, construction and engineering equipment and conveyers.

Pumping Suitable for permanent submersion to 200 metres.

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

PRODUCT FEATURES:

- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Extremely flexible
- ▶ Water and moisture resistant
- ▶ Suitable for permanent submersion to 200 metres
- ▶ Heat, oil and chemical resistant (See *Technical Section*)

See over for full product table ▶

CONSTRUCTION:

Conductor Annealed plain copper stranded extreme flexibility (Class 5 & 6).

Insulation X-90.

Separator An added separator or bedding of extruded V-90HT material for safety and durability. Silicate powder lubricant between cores and inner sheath to reduce friction.

Sheath SER105.

CHARACTERISTICS:

Operating Temperature Range Fixed -40°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 5 x cable diameter / Flexing 6 x cable diameter.

Sheath Colour Black, Orange.

Standard Core Colour

2 Core – Blue, Brown.


3 Core – Blue, Brown, Green/Yellow.

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

5 Core – Blue, Red, White, Black, Green/Yellow.

Relevant Standards AS/NZS 3191, AS/NZS 5000.1, AS/NZS 3308, IEC 60227, IEC 60332-1, **RoHS** Compliant.

HD SERIES continued

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 un-enclosed protected from sun @ 30°C fixed application		3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
					Touching		
HD02/1.5	2 x 1.5	48/0.20	10.0	130	25		30.000
HD02/2.5	2 x 2.5	80/0.20	10.8	165	33		16.400
HD03/1.0	3 x 1.0	32/0.20	9.8	90	17		46.800
HD03/1.5	3 x 1.5	48/0.20	10.5	140	21		30.000
HD03/2.5	3 x 2.5	80/0.20	12.4	194	29		16.400
HD03/4.0	3 x 4.0	127/0.20	14.4	319	37		10.200
HD03/6.0	3 x 6.0	190/0.20	15.9	406	47		6.800
HD04/1.5	4 x 1.5	48/0.20	11.6	170	21		30.000
HD04/2.5	4 x 2.5	80/0.20	14.0	239	29		16.400
HD04/4	4 x 4.0	127/0.20	16.0	394	37		10.200
HD04/6.0	4 x 6.0	190/0.20	19.0	505	47		6.800
HD04/10	4 x 10.0	318/0.20	25.8	975	67		4.050
HD04/16	4 x 16.0	504/0.20	28.6	1285	89		2.550
HD05/1.5	5 x 1.5	48/0.20	13.0	210	21		30.000
HD05/2.5	5 x 2.5	80/0.20	15.4	289	29		16.400
HD05/4.0	5 x 4.0	127/0.20	17.4	482	37		10.200
HD05/6.0	5 x 6.0	190/0.20	21.0	619	47		6.800
HD05/10	5 x 10.0	318/0.20	28.1	1190	67		4.050
HD05/16	5 x 16.0	504/0.20	31.7	1590	89		2.550