CHEMTUFF VSD MDXCY-BK SERIES

High Performance Flexible Rubber VSD Marine / Power Cable 0.6/1kV 90°C

APPLICATIONS:

Chemtuff VSD Connection Designed for the connection of AC Variable Speed Drives (VSD) or where a flexible EMC screened cable is required. These cables are flexible for fixed installation as well as occasional flexing without tensile load.

RFI & EMI Protection With double screening (CBS & foil tape) and split interstitial earth cores (6mm^2 and above) this cable has optimum screening performance of low frequency and electromagnetic output.

Marine Flexible tinned copper VSD cable for installation in super yachts and other marine applications.

Pumping Suitable for permanent submersion up to 200 metres.

PRODUCT FEATURES:

- Helps avoid reactance with other devices outside the plant
- UV stabilised
- Flame retardant
- Moisture resistant
- Suitable for permanent submersion to 200 metres
- Resistant to environmental factors such as oxidation, ozone and sunlight
- To be earthed using an EMC compatible gland
- Heat, oil and chemical resistant *(See Technical Section)*

CONSTRUCTION:

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

Insulation X-90.

Bedding SPVC V-90HT.

Screening Up to 6.0mm 85% tinned copper braid screen c/w 100% foil screen coverage, 10mm and above 85% tinned copper braid screen, plus split earths.

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 Uo/U 0.6/1kV.

Max AC Operating Voltage Uo 0.7kV.

Minimum Bending Radius Fixed 7.5 x cable diameter / Flexing 15 x cable diameter.

Sheath Colour Black.

Standard Core Colours

3 Core – Red, Black, Green/Yellow.

4 Core – Red, White, Blue, Green/Yellow.

Relevant Standards IEC 60228, IEC 60332-1, AS/NZS 5000.1, AS/NZS 1125, AS/NZS 3008, RoHS Compliant.

Code	No. of Cores x Size		Approx. Stranding Power	Approx. Overall Diameter	Approx. Diameter Under Screen	Approx. Weight	Nominal Amps un-enclosed protected from sun @ 30°C fixed application	3 Phase Volt Drop @ 50Hz / MAX. Conductor Temp:
	Power (mm^2)	Earth (mm^2)	No. of wires x mm	(mm)	(mm)	(Kg/Km)	Fixed Installation Touching	90°C (Mv/Am)
Note - Up to 6.0mm 85% tinned copper braid screen c/w 100% foil screen coverage.								
MDXCY3/1.5BK	2 x 1.5 + 1 x 1.5		30/0.25	12.5	8.6	155	25	30.000
MDXCY3/2.5BK	2 x 2.5 + 1 x 2.5		50/0.25	13.5	9.6	195	33	16.400
MDXCY4/1.5BK	3 x 1.5 + 1 x 1.5		30/0.25	13.5	9.5	195	21	30.000
MDXCY4/2.5BK	3 x 2.5 + 1 x 2.5		50/0.25	14.5	10.6	245	29	16.400
MDXCY4/4.0BK	3 x 4.0 + 1 x 4.0		56/0.30	16.5	12.7	350	37	10.200
MDXCY4/6.0BK	3 x 6.0 + 3 x 1.5		190/0.20	19.5	16.0	445	47	6.800
Note – 10mm and above 85% tinned copper braid screen, plus split earths.								
MDXCY4/10BK	3 x 10.0 + 3 x 1.5		312/0.20	21.5	17.9	675	67	4.050
MDXCY4/16BK	3 x 16.0 + 3 x 2.5		484/0.20	23.5	19.5	955	89	2.550