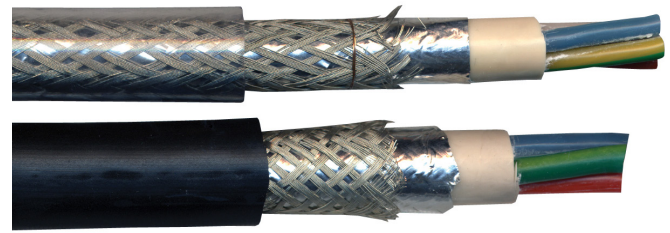


MDXCY SERIES

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



APPLICATIONS:

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 (6mm² 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 SPVC101.

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 U₀/U 0.6/1kV.

Max AC Operating Voltage U₀ 0.7kV.

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

Sheath Colour

3 Core - Black.

4 Core - (1.5mm to 6.0mm) Black & Clear.


4 Core - (10mm above) 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 (mm)	Approx. Diameter Under Screen (mm)	Approx. Weight (Kg/Km)	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)					Fixed Installation Touching 	90°C (Mv/Am)
MDXCY3/1.5	2 x 1.5 + 1 x 1.5		30/0.25	12.5	8.6	155	25	30.000
MDXCY3/2.5	2 x 2.5 + 1 x 2.5		50/0.25	13.5	9.6	195	33	16.400
MDXCY4/1.5	3 x 1.5 + 1 x 1.5		30/0.25	13.5	9.5	195	21	30.000
MDXCY4/2.5	3 x 2.5 + 1 x 2.5		50/0.25	14.5	10.6	245	29	16.400
MDXCY4/4.0	3 x 4.0 + 1 x 4.0		56/0.30	16.5	12.7	350	37	10.200
<i>Note – split earth conductor 4 core 6.0mm² to 150.0mm² for optimal screening</i>								
MDXCY4/6.0	3 x 6.0 + 3 x 1.5		190/0.20	19.5	16.0	445	47	6.800
MDXCY4/10	3 x 10.0 + 3 x 1.5		312/0.20	21.5	17.9	675	67	4.050
MDXCY4/16	3 x 16.0 + 3 x 2.5		484/0.20	23.5	19.5	955	89	2.550

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.