

## FDXCY SERIES

**High Performance Flexible VSD  
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 (6mm<sup>2</sup> and above), this cable has optimum screening performance of low frequency and electromagnetic output.

### PRODUCT FEATURES:

- ▶ Helps avoid reactance with other devices outside the plant
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Moisture resistant
- ▶ 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 plain copper stranded high flexibility (Class 5).

**Insulation** X-90.

**Screening** 85% tinned copper braid screen c/w 100% foil screen coverage.

**Sheath** SPVC V-90.

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -5°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<sub>o</sub>/U 0.6/1kV.


**Max AC Operating Voltage** U<sub>o</sub> 0.7kV.

**Minimum Bending Radius** Fixed 15 x cable diameter / Flexing 10 x cable diameter.

**Sheath Colour** Black.

**Standard Core Colours** Red, White, Blue, Green/Yellow.

**Relevant Standards** AS/NZS 5000.1, AS/NZS 1125, AS/NZS 3808, IEC 60332-1, **RoHS** Compliant.

Code	No. of Cores x Size		Approx. Stranding Power	Approx. Overall Diameter	Approx. Weight	Nominal Amps un-enclosed protected from sun @ 30°C fixed application	3 Phase Volt Drop @ 50Hz / MAX. Conductor Temp:
	Power (mm <sup>2</sup> )	Earth (mm <sup>2</sup> )	No. of wires x mm	(mm)	(Kg/Km)	Fixed Installation Touching 	90°C (Mv/Am)
<b>FDXCY4/25</b>	3 x 25 + 3 x 4.0		200/0.40	24.6	1135	119	1.610
<b>FDXCY4/35</b>	3 x 35 + 3 x 6.0		280/0.40	27.3	1497	149	1.170
<b>FDXCY4/50</b>	3 x 50 + 3 x 10		400/0.40	32.1	2143	187	0.868
<b>FDXCY4/70</b>	3 x 70 + 3 x 10		356/0.50	35.9	2779	235	0.609