

FDCY SERIES

High Performance Flexible VSD Power Cable 0.6/1kV 80°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.

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 PVC.
Screening 85% tinned copper braid screen.
Sheath SPVC.

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 80°C / Flexing -15°C to 70°C.
Maximum Conductor Temperature 80°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 6 x cable diameter / Flexing 15 x cable diameter.
Sheath Colour Black.
Standard Core Colours Black (Numbered) Plus / Green/Yellow Earth.
Relevant Standards IEC60228, EN50525-2-51, IEC 60332-1,
RoHS Compliant, Conform to 2014/35/E4CE

Code	No. of Cores x Size	Approx. Stranding Power	Approx. Overall Diameter	Approx. Weight	Nominal Amps	3 Phase Volt Drop
		No. of wires x mm	(mm)	(Kg/Km)	un-enclosed protected from sun @ 30°C fixed application	@ 50Hz / MAX. Conductor Temp:
					Fixed Installation Touching	90°C (Mv/Am)
FDCY5/2.5	5 x 2.5	50/0.25	15	457	20	16.400
FDCY5/4.0	5 x 4.0	56/0.30	17.3	661	25	10.200