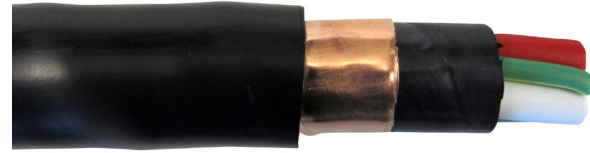




KSXCY SERIES

High Performance Fixed Copper Tape
VSD Power Cable
Flexible Conductors for Fixed Applications



APPLICATIONS:

VSD Connection Fixed wiring cable designed for the connection of AC Variable Speed Drives or where a fixed EMC screened cable is required.

RFI & EMI Protection With single screening (Copper tape) and split interstitial earth cores (6mm² and above) this cable has optimum screening performance of low frequency and electromagnetic output.

Glanding Use Firstflex GM-EMC-FT Series glands for best contact.

PRODUCT FEATURES:

- ▶ Flexible Class 5 conductors for easy installation
- ▶ Helps avoid reactance with other devices outside the plant
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ 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.

Bedding PVC 5V-90.

Screening Copper Tape 30% overlap.

Sheath SPVC101.

CHARACTERISTICS:

Operating Temperature Range Fixed -30°C to 90°C

Maximum Conductor Temperature 90°C

Rated Voltage U_o/U 0.6/1kV.


Max AC Operating Voltage U_o 0.7kV.

Sheath Colour Black.

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

Relevant Standards IEC 60332-1, AS/NZS 3808,

AS/NZS 5000.1, AS/NZS 1125, AS/NZS 3008, **RoHS** Compliant.

Code	No. of Cores x Size		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 Touching 	3 Phase Volt Drop @ 50Hz / MAX. Conductor Temp:
	Power (mm ²)	Earth (mm ²)					90°C (Mv/Am)
KSXCY4/1.5	3 x 1.5 + 1 x 1.5		30/0.25	13.3	250	21	30.000
KSXCY4/2.5	3 x 2.5 + 1 x 2.5		50/0.25	15.0	300	29	16.400
KSXCY4/4.0	3 x 4.0 + 1 x 2.5		56/0.30	15.3	378	37	10.200
KSXCY4/6.0	3 x 6.0 + 3 x 1.5		84/0.30	16.9	474	47	6.800
KSXCY4/10	3 x 10 + 3 x 1.5		80/0.40	17.8	612	67	4.050
KSXCY4/16	3 x 16 + 3 x 2.5		128/0.40	21.0	855	89	2.550
KSXCY4/25	3 x 25 + 3 x 4.0		200/0.40	24.4	1200	119	1.610
KSXCY4/35	3 x 35 + 3 x 6.0		280/0.40	27.2	1600	149	1.170
KSXCY4/50	3 x 50 + 3 x 10		400/0.40	32.7	2250	187	0.868
KSXCY4/70	3 x 70 + 3 x 10		356/0.50	35.7	2890	235	0.609
KSXCY4/95	3 x 95 + 3 x 16		485/0.50	42	3980	282	0.450
KSXCY4/120	3 x 120 + 3 x 16		614/0.50	46.3	4600	333	0.366
KSXCY4/150	3 x 150 + 3 x 25		765/0.50	48.4	5900	383	0.307
KSXCY4/185	3 x 185 + 3 x 25		944/0.50	57	7500	436	0.259
KSXCY4/240	3 x 240 + 3 x 35		1225/0.50	64	9600	519	0.216

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.