



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 XLPE X-90.

Bedding PVC 5V-90.

Screening Copper Tape 30% overlap.

Sheath PVC 5V-90.

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

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