

JHCY SERIES

**High Performance Flexible CBS
Cable Double Sheath
0.6/1kV 90°C**



APPLICATIONS:

Control and Signals for use on machines, portable tools, conveying equipment and other industrial applications requiring screened cables for EMC. These cables are flexible for installation and intermittent flexible use with free movement without tensile stress.


PRODUCT FEATURES:


- ▶ Tinned fine stranded copper conductor
- ▶ High flexibility
- ▶ Prevents external interference
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ To be earthed at both ends using EMC compatible glands
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

CONSTRUCTION:

- Conductor** Annealed tinned copper stranded high flexibility (Class 5).
- Insulation** Special SPVC T12 V90.
- Inner Sheath** SPVC.
- Screening** Tinned copper braid 85% coverage.
- Sheath** Special SPVC TM2.

CHARACTERISTICS:

- Operating Temperature Range** Fixed -20°C to 90°C / Flexing -5°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_o/U 0.6/1kV.
- Max AC Operating Voltage** U_o 0.7kV.
- Minimum Bending Radius** Fixed 7.5 x cable diameter / Flexing 15 x cable diameter.
- Sheath Colour** Black.
- Standard Core Colours** Black (numbered) + 1 Green/Yellow Earth.
- Relevant Standards** DIN VDE 0295, IEC 60228, DIN VDE 0281-1, VDE 0293, IEC 60332-1,  Directive 2006/95/EC and **RoHS** Compliant.

Code	No. of Cores x Size	Approx. Stranding	Approx. Overall Diameter	Approx. Weight	Nominal Amps un-enclosed protected from sun @ 30°C fixed application	3 Phase Volt Drop @ 50Hz / MAX. Conductor Temp:
	(mm ²)	No. of wires x mm	(mm)	(Kg/Km)	Touching 	75°C (Mv/Am)
JHCY05/4.0	5 x 4.0	56/0.30	18.6	700	32	10.200
JHCY07/1.5	7 x 1.5	30/0.25	16.0	383	15	30.000
JHCY07/2.5	7 x 2.5	50/0.25	17.9	561	20	16.400
JHCY12/1.5	12 x 1.5	30/0.25	19.6	592	15	30.000
JHCY12/2.5	12 x 2.5	50/0.25	21.9	857	20	16.400
JHCY18/1.5	18 x 1.5	30/0.25	23.4	806	15	30.000
JHCY18/2.5	18 x 2.5	50/0.25	26.1	1355	20	16.400