

JTCY SERIES

Standard Performance Flexible
CBS Control Cable Coloured Cores
300/500V 80°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 fixed installation as well as occasional flexing without tensile load.

Coloured Cores For applications where coloured cores are required.

PRODUCT FEATURES:

- ▶ High flexibility
- ▶ Prevents external interference
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ To be earthed using EMC compatible glands
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

CONSTRUCTION:

Conductor Annealed plain copper stranded high flexibility (Class 5).

Insulation SPVC V-75.

Screening Tinned copper braid 85% coverage.

Sheath SPVC 75.

CHARACTERISTICS:

Operating Temperature Range Fixed -20°C to 80°C / Flexing -5°C to 80°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 300/500v.

Max AC Operating Voltage U_o 318v.

Minimum Bending Radius Fixed 7.5 x cable diameter / Flexing 15 x cable diameter.

Sheath Colour Grey.

Standard Core Colours To DIN 47100 without repetition.

Cores 1 to 12 – White, Brown, Green, Yellow, Grey, Pink, Blue, Red, Black, Violet, Grey/Pink, Red/Blue.

Inductance Approx 0.65 mH/Km.

Insulation Resistance Min. 200 MOHM x km.

Capacitance @ 800 Hz (pF/m) core/core 150 approx. core/screen 270 approx.

Impedance Approx 78 OHM.

Relevant Standards DIN VDE 0295, IEC 60228, DIN VDE 0281-1, DIN VDE 0293, IEC 60332-1, DIN VDE 0472-804, **RoHS** Compliant.

Code	No. of Cores x Size	Approx. Stranding	Approx. Overall Diameter	Approx. Weight
	(mm ²)	No. of wires x mm	(mm)	(Kg/Km)
JTCY02/0.25	2 x 0.25	14/0.15	4.3	31
JTCY03/0.25	3 x 0.25	14/0.15	4.5	36
JTCY04/0.25	4 x 0.25	14/0.15	4.9	40
JTCY07/0.25	7 x 0.25	14/0.15	5.9	64
JTCY12/0.25	12 x 0.25	14/0.15	7.3	90