

JT SERIES

**Standard Performance Flexible
Control Cable Coloured Cores
300/500V 80°C**



APPLICATIONS:

Control and Signals For use on machines, portable tools, conveying equipment and other industrial applications. 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:

- ▶ Fine stranded copper conductor
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

CONSTRUCTION:

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

Insulation SPVC 75.

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 are: White, Brown, Green, Yellow, Grey, Pink, Blue, Red, Black, Violet, Grey-Pink, Red-Blue.

Inductance Approx 0.65 mH/Km.

Insulation Resistance Min. 20Ω x km.

Capacitance 120 nF/km.

Impedance Approx 78 OHM.

Relevant Standards VDE 0245, VDE 0250, DIN 47100, IEC 60332-1, IEC 60228, **RoHS** Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
JT02/0.25	2 x 0.25	14/0.15	3.8	18
JT03/0.25	3 x 0.25	14/0.15	3.9	22
JT04/0.25	4 x 0.25	14/0.15	4.3	26
JT07/0.25	7 x 0.25	14/0.15	5.2	42
JT12/0.25	12 x 0.25	14/0.15	6.7	66