

JFCY SERIES

Standard Performance Flexible
CBS Control Cable 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.

PRODUCT FEATURES:

- ▶ High flexibility
- ▶ Prevents external interference
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Resistant to environmental factors like ozone
- ▶ Abrasion resistance
- ▶ To be earthed using EMC compatible glands
- ▶ Extensive heat, oil, solvent and chemical resistance (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.

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 10 x cable diameter / Flexing 15 x cable diameter.
- Sheath Colour** Grey.
- Standard Core Colours** Black (numbered) + 1 Green/Yellow Earth (2 Core is without Earth).
- Relevant Standards** DIN VDE 0295, IEC 60228, DIN VDE 0281-1, DIN VDE 0293, DIN VDE 0245, IEC 60332-1, **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)
JFCY02/0.75	2 x 0.75	24/0.20	5.7	59
JFCY03/0.75	3 x 0.75	24/0.20	6.4	66
JFCY04/0.75	4 x 0.75	24/0.20	6.7	77
JFCY05/0.75	5 x 0.75	24/0.20	7.2	93
JFCY07/0.75	7 x 0.75	24/0.20	8.6	130
JFCY12/0.75	12 x 0.75	24/0.20	10.8	138
JCFY18/0.75	18 x 0.75	24/0.20	12.5	211
JFCY25/0.75	25 x 0.75	24/0.20	15.1	280
JFCY02/1.0	2 x 1.0	32/0.20	6.4	65
JFCY03/1.0	3 x 1.0	32/0.20	6.7	80
JFCY04/1.0	4 x 1.0	32/0.20	7.3	98
JFCY05/1.0	5 x 1.0	32/0.20	7.8	127
JFCY07/1.0	7 x 1.0	32/0.20	9.1	158
JFCY12/1.0	12 x 1.0	32/0.20	11.2	260
JFCY02/1.5	2 x 1.5	30/0.25	7.0	88
JFCY03/1.5	3 x 1.5	30/0.25	7.6	100
JFCY04/1.5	4 x 1.5	30/0.25	8.2	153
JFCY05/1.5	5 x 1.5	30/0.25	9.1	160
JFCY07/1.5	7 x 1.5	30/0.25	9.6	154
JFCY12/1.5	12 x 1.5	30/0.25	12.9	268
JFCY18/1.5	18 x 1.5	30/0.25	15.3	373
JFCY25/1.5	25 x 1.5	30/0.25	18.9	705

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