

## FT20-CS SERIES

High Performance Multipair  
Overall Foil Screened Tinned Data  
Cable 110V 90°C



### APPLICATIONS:

**BUS Systems** High performance, extra low capacitance cable suitable for RS232, RS422 POS, building and home BUS automation systems.

**Data** Suitable for connecting data terminal and data communication equipment.

**E.L.V Signal and Controls** (Does not exceed 50V AC or 120V DC Ripple Free) E.L.V power control or signal/instrumentation cables on machines, conveying equipment or similar industrial applications.

**Marine** Tinned copper conductors for use in marine applications.

### PRODUCT FEATURES:

- ▶ Extremely pliable PVC sheath
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Extra low capacitance polyethylene insulation for extended pair operation
- ▶ Heat, oil and chemical resistant (See Technical Section)

### CONSTRUCTION:

**Conductor** Annealed tinned copper stranded (Class 2).

**Insulation** Polypropylene (available in LSHF on request).

**Screening** Collective shield of aluminium/polyester foil complete with tinned copper drain wire.

**Sheath** Special SPVC V-90 (available in LSHF on request).

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -20°C to 90°C.

**Maximum Conductor Temperature** 90°C.

**Rated Voltage** 110VRMS/150VDC.

**Minimum Bending Radius** 10 x cable diameter.

**Sheath Colour** Grey, Black.

**Standard Core Colours** Each pair – (See Technical Section – Core Colours Chart B).

**Relevant Standards** AS/NZS 3808, **RoHS** Compliant.

Electrical Characteristics			
Property		Value	Unit
DC Conductor resistance	@ 20°C	89	Ω/km
Capacitance between wires of a pair		50	pF/m
Cross-talk attenuation between pairs	@ 1kHz	>90	dB/100m
	@ 100kHz	>50	dB/100m
Characteristic Impedance	@ 1kHz	135	Ω
Attenuation of a pair	@ 1kHz	0.15	dB/100m
	@ 10kHz	0.42	dB/100m
	@ 100kHz	0.80	dB/100m
	@ 150kHz	0.90	dB/100m
	@ 1.0MHz	1.90	dB/100m
	@ 1.5MHz	2.40	dB/100m

Code	No. of Cores x Size (mm <sup>2</sup> )	Nearest AWG	Approx. Stranding No. of wires x mm <sup>2</sup>	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
FT2001CS	1 pair 0.22	24	7/0.20	4.2	22.9
FT2002CS	2 pair 0.22	24	7/0.20	5.6	40.9
FT2003CS	3 pair 0.22	24	7/0.20	6.2	48.4
FT2004CS	4 pair 0.22	24	7/0.20	6.7	57.9
FT2005CS	5 pair 0.22	24	7/0.20	8.4	74.1
FT2006CS	6 pair 0.22	24	7/0.20	7.9	83.5
FT2008CS	8 pair 0.22	24	7/0.20	8.5	99.0
FT2010CS	10 pair 0.22	24	7/0.20	10.1	120.1
FT2012CS	12 pair 0.22	24	7/0.20	10.8	133.9
FT2018CS	18 pair 0.22	24	7/0.20	12.8	179.7
FT2025CS	25 pair 0.22	24	7/0.20	15.1	236.1

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