## FT95-CS SERIES

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



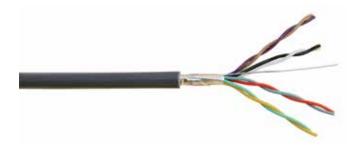
**BUS Systems** High performance, extra low capacitance cable suitable for RS232 building and home BUS automation systems. **Data** Suitable for connecting data terminal and data communication equipment.

**Signal and Controls** 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
- ▶ Heat, oil and chemical resistant (See Technical Section)



## **CONSTRUCTION:**

Conductor Annealed tinned copper stranded (Class 2).
Insulation Special SPVC V-90 (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.

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

**Relevant Standards** AS/NZS 3808, IEC 60332-1-2, **ROHS** Compliant.

Electrical Characteristics								
Property		Value	Unit					
DC Conductor Resistance	@ 20°C	89	Ω/km					
Capacitance between wires of a pair		95	pF/m					
<b>Cross-talk attenuation Between Pairs</b>	@ 1kHz	>70	dB/100m					
	@ 100kHz	>45	dB/100m					
Characteristic Impedance	@ 1kHz	95	Ω					
Attenuation of a Pair	@ 1kHz	0.20	dB/100m					
	@ 10kHz	0.60	dB/100m					
	@ 100kHz	1.20	dB/100m					
	@ 150kHz	1.50	dB/100m					
	@ 1.0MHz	4.40	dB/100m					
	@ 1.5MHz	5.40	dB/100m					

Code	No. of Cores x Size (mm²)	Nearest AWG	Approx. Stranding No. of wires x mm <sup>2</sup>	Approx. Overall Diameter (mm²)	Approx. Weight (Kg/Km)
FT9501CS	1 pair 0.22	24	7/0.20	4.0	22.4
FT9502CS	2 pair 0.22	24	7/0.20	5.1	32.0
FT9503CS	3 pair 0.22	24	7/0.20	5.8	41.9
FT9504CS	4 pair 0.22	24	7/0.20	6.4	51.1
FT9506CS	6 pair 0.22	24	7/0.20	7.6	71.4
FT9509CS	9 pair 0.22	24	7/0.20	8.8	95.9
FT9512CS	12 pair 0.22	24	7/0.20	10.0	124.0
FT9518CS	18 pair 0.22	24	7/0.20	12.0	180.4
FT9525CS	25 pair 0.22	24	7/0.20	13.8	237.9

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time

