

## FT95-CS SERIES

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



### APPLICATIONS:

**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
<b>DC Conductor Resistance</b>	@ 20°C	89	Ω/km
<b>Capacitance between wires of a pair</b>		95	pF/m
<b>Cross-talk attenuation Between Pairs</b>	@ 1kHz	>70	dB/100m
	@ 100kHz	>45	dB/100m
<b>Characteristic Impedance</b>	@ 1kHz	95	Ω
<b>Attenuation of a Pair</b>	@ 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 (mm <sup>2</sup> )	Nearest AWG	Approx. Stranding No. of wires x mm <sup>2</sup>	Approx. Overall Diameter (mm <sup>2</sup> )	Approx. Weight (Kg/Km)
<b>FT9501CS</b>	1 pair 0.22	24	7/0.20	4.0	22.4
<b>FT9502CS</b>	2 pair 0.22	24	7/0.20	5.1	32.0
<b>FT9503CS</b>	3 pair 0.22	24	7/0.20	5.8	41.9
<b>FT9504CS</b>	4 pair 0.22	24	7/0.20	6.4	51.1
<b>FT9506CS</b>	6 pair 0.22	24	7/0.20	7.6	71.4
<b>FT9509CS</b>	9 pair 0.22	24	7/0.20	8.8	95.9
<b>FT9512CS</b>	12 pair 0.22	24	7/0.20	10.0	124.0
<b>FT9518CS</b>	18 pair 0.22	24	7/0.20	12.0	180.4
<b>FT9525CS</b>	25 pair 0.22	24	7/0.20	13.8	237.9

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