

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:

- ▶ Tinned copper conductors
- ▶ 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
Cross-talk attenuation Between Pairs	@ 1kHz	>70	dB/100m
	@ 100 kHz	>45	dB/100m
Characteristic Impedance	@ 1kHz	95	Ω
Attenuation of a Pair	@ 1kHz	0.20	dB/100m
	@ 10kHz	0.60	dB/100m
	@ 100 kHz	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 mm²	Approx. Overall Diameter (mm)	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

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