

FT75-CSIS SERIES

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



APPLICATIONS:

- Hazardous Areas** Suitable for wiring of intrinsically safe circuits.
- 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
- Oil and gas industry** with vertical flame propagation to IEC 60332-3-22.

PRODUCT FEATURES:

- ▶ Tinned copper conductors
- ▶ Extremely pliable PVC sheath
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Reduced flame propagation
- ▶ 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).
- Filler** Non-hydroscopic polypropylene filler.
- Screening** Collective shield of aluminium/polyester foil complete with tinned copper drain wire (7 strands of 0.2mm²).
- Sheath** Special SPVC 5V-90 (available in LSHF on request).

CHARACTERISTICS:

- Operating Temperature Range** Fixed -20°C to 90°C.
- Maximum Conductor Temperature** 90°C.
- Rated Voltage** 110VAC / 150VDC.
- Minimum Bending Radius** 10 x cable diameter.
- Sheath Colour** Intrinsically safe blue.
- Standard Core Colours** Each pair – 1 x White and 1 x Black conductor, with numbered cores.
- Relevant Standards** AS/NZS 1125, AS/NZS 3808, IEC 60332-1-2, IEC 60332-3-22, IEC 60079.14, **RoHS** Compliant.

Property	0.75mm ²	
	Value	Units
DC Conductor Resistance @ 20°C	24.8	Ω/km
Inductance @ 1kHz	0.98	mH/km
L/R ratio @ 1kHz	20	μH/Ω
Insulation Resistance @ 20°C	140	MΩ.km

Code	No. of Cores x Size (mm ²)	Nearest AWG	Approx. Stranding No. of wires x mm ²	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
FT7501CSIS	1 pair 0.75	18	7/0.37	5.8	40
FT7502CSIS	2 pair 0.75	18	7/0.37	8.5	71
FT7504CSIS	4 pair 0.75	18	7/0.37	10.0	118