

# INSTRUMENTATION CABLES

## FT65-ESCS SERIES

High Performance Multipair Overall & Individually Foil Screened Tinned Instrumentation Cable 0.6 / 1kV 90°C



### APPLICATIONS:

**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.

**Low Voltage** With its 600V rated insulation and 1.8mm thick sheath, this series is suitable to run next to low voltage mains.

### PRODUCT FEATURES:

- ▶ 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.

**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** 0.6/1kV.

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

**Sheath Colour** Black.

**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 60079.14, IEC 60332-3-22, **RoHS** Compliant.

Property	1.5mm <sup>2</sup>	
	Value	Units
DC Conductor Resistance @ 20°C	13.6	Ω/km
Inductance @ 1kHz	0.95	mH/km
L/R ratio @ 1kHz	36.5	μH/Ω
Insulation Resistance @ 20°C	140	MΩ.km

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)
<b>FT65102ES</b>	1 pair 1.5	15	7/0.50	10.0	63
<b>FT65502ESCS</b>	2 pair 1.5	15	7/0.50	15.2	123
<b>FT65504ESCS</b>	4 pair 1.5	15	7/0.50	17.6	209
<b>FT65103ES</b>	1 triple 1.5	15	7/0.50	10.4	80

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