

INSTRUMENTATION CABLES

FT655-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.

Bedding Flame retardant 5V-90 PVC extruded non hydroscopic.

Armour Steel wire armour.

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 ²	
	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 ²)	Nearest AWG	Approx. Stranding No. of wires x mm ²	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
FT65102ES	1 pair 1.5	15	7/0.50	10.0	63
FT65502ESCS	2 pair 1.5	15	7/0.50	11.6	123
FT65504ESCS	4 pair 1.5	15	7/0.50	14.0	209
FT65103ES	1 triple 1.5	15	7/0.50	10.4	80

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