

FT81 SERIES

High Performance BMS/Control
Overall Foil Screened Tinned Cable
110VAC 90°C



APPLICATIONS:

BMS Used for building management systems and cabling for HVAC controls.

Audio Oxygen free copper for audio applications, PA systems and security gate intercoms.

PRODUCT FEATURES:

- ▶ Fine stranded tinned copper conductor
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant *(See Technical Section)*

CONSTRUCTION:

Conductor Annealed tinned copper stranded (Class 2).

Insulation PE Polyethylene.

Screening Collective shield of aluminium/polyester foil complete with tinned copper drain wire.

Sheath SPVC 5V-90.

CHARACTERISTICS:

Operating Temperature Range Fixed -20°C to 75°C.

Maximum Conductor Temperature 75°C.

Rated Voltage 110V RMS.

Minimum Bending Radius Fixed 7.5 x cable diameter.

Sheath Colour Black.

Standard Core Colour

1 Pair - Black & Natural.

1 Triple - Black, Red & Natural.

Relevant Standards AS/NZS 3808, AS/NZS 3008, IEC 60332-1-2, **RoHS** Compliant.

Electrical Characteristics

Property	Value	Unit
DC Conductor Resistance @ 20°C	2.57	Ω/100m
Capacitance between wires of a pair/triple	79	pF/m
Minimum Insulation Resistance @ 20°C	500	M Ω/100m

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm ²	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
FT8101CSBMS	1 pair 0.81	16/0.25	5.6	46
FT8103CSBMS	1 triple 0.81	16/0.25	6.4	65