

iCANnet Cable



i CANnet

Specification

Power

Conductor: 18 AWG, tinned copper

Insulation: Polyethylene Colour code: Red & black

Data

Conductor: 22 AWG, tinned copper

Insulation: Polyethylene Screen: Aluminium foil Drain wire: Tinned copper Colour code: White & blue

Overall

Jacket: Low smoke halogen free

Overall diameter: 6.35mm (nominal)

Cable drum size: 300m Drum weight: 19.5Kg

DC resistance conductor 22AWG: ≤ 54.20 Ω/km @ 20°C

DC resistance conductor 18AWG: ≤ 23.70 Ω/km @ 20°C

Operating Voltage: 300V

Capacitance Core to Core 22AWG: 46pF/m Capacitance Core to Core 18AWG: 95pF/m

Inductance Core 22AWG: 0.76µH/m Inductance Core 18AWG: 0.55µH/m

Overview

iCANnet Network Cable is specifically designed to connect between each device on an iLight control system. The cable consists of 2 x 18 AWG tinned copper wire with PE Insulation (Power pair) and 2 x 22 AWG screened tinned copper wire with PE Insulation (data pair). There is also a tinned copper drain wire in contact with the aluminium foil screen. The cable is sheathed overall in LSZH.

| Function | Network Cable |
|----------|---------------|
| | Colours |
| 0V | Black |
| CAN L | White |
| Shield | Silver |
| CAN H | Blue |
| +12Vdc | Red |



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