



iCANnet Cable

For the installation of iLight Control Systems

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

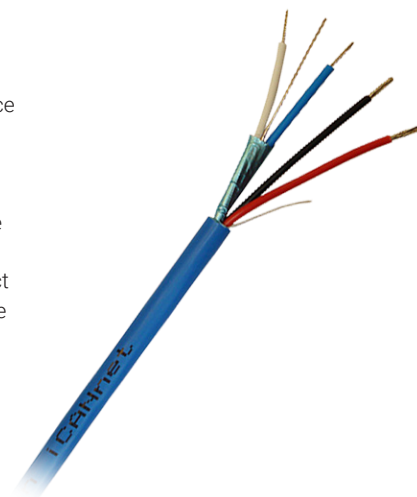
- Jacket: Low smoke halogen free
- Colour: Blue
- Overall diameter: 6.35mm (nominal)
- Cable drum size: 300m
- Drum weight: 19.5Kg

Technical

- DC resistance conductor 22AWG: $\leq 54.20 \Omega/\text{km}$ @ 20°C
- DC resistance conductor 18AWG: $\leq 23.70 \Omega/\text{km}$ @ 20°C
- Operating Voltage: 300V
- Capacitance Core to Core 22AWG: 46pF/m
- Capacitance Core to Core 18AWG: 95pF/m
- Inductance Core 22AWG: 0.76 $\mu\text{H}/\text{m}$
- Inductance Core 18AWG: 0.55 $\mu\text{H}/\text{m}$

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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