



# 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:  $\leq 54.20 \Omega/\text{km} @ 20^\circ\text{C}$
- DC resistance conductor 18AWG:  $\leq 23.70 \Omega/\text{km} @ 20^\circ\text{C}$
- 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

### Contact your local Eaton office

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