

# elumen8

## CABLE DATASHEET

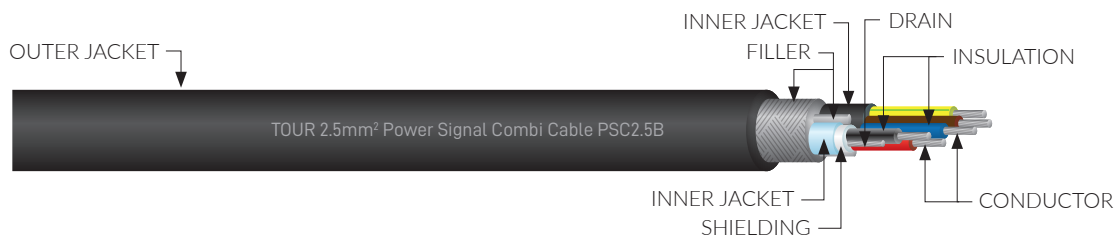
### SPECIFICATION

**Description:** TOUR 2.5mm<sup>2</sup> Power Signal Combi Cable PSC2.5B

**Type:** Power/Signal cable

**Versions:** CABL624 - Black, 100m length  
Also available by the metre

### CONSTRUCTION



Hybrid multicore comprising of a screened and jacketed signal pair combined with 2.5mm jacketed power cables. Ultra flexible and designed for touring use this cable range provides an elegant solution to the problem of integrated signal and power distribution. Constructed using carefully selected fillers to maintain the overall shape and facilitate easier coiling.

**Conductor:** Material - Bare Copper (OFC)  
Construction - 7 x 0.20mm x 2 + 50 x 0.254mm x 3  
Cross section - 0.22mm<sup>2</sup> (24AWG) x 2 + 2.5mm<sup>2</sup> x 3

**Insulation:** Material - Foam-Skin Polyethylene Foam (FPE-SKIN) + Polyvinylchloride (PVC)  
Thickness - 0.4mm + 0.8mm  
Diameter - 1.5mm x 2 Core + 3.0mm x 3 Core  
Colour - 1) Red, 2) Black + 1) Blue, 2) Brown, 3) Yellow/Green

**Drain Wire:** Material - Tinned Copper (OFC)  
Construction - 7 x 0.20mm  
Cross section - 0.22mm<sup>2</sup> (24AWG)

**Shielding:** Material - Aluminum Foil  
Construction - Single Layer  
Coverage - 100%

**Inner jacket:** Material - Polyvinylchloride (PVC)  
Thickness - 0.5mm + 1.1mm  
Diameter - 4.1mm + 10mm

**Filler:** Material - Polyvinylchloride (PVC) + Non-woven Fabric

**Outer jacket:** Material - Soft Polyvinylchloride (PVC)  
Thickness - 1.2mm  
Diameter - 17.5mm

### OPERATION TEMP.

-20°C ~ 70°C

### ELECTRICAL CHARACTERISTIC

#### 2 Core (Signal)

**Nominal impedance:** 110Ω

**Conductor resistance:** 82Ω/km

**Capacitance cond.:** 47 PF/m

#### 3 Core (Power)

**Conductor impedance:** 7.2Ω/km

**Insulation resistance:** 10mΩ/km