



# Tourflex® Datasafe Ultra™ Hybrid 3 x 2.5mm<sup>2</sup> Power & 1 Pair DMX Cable

**Part No:**  
**TFDSHY1PRD2.5**

## S P E C I F I C A T I O N S H E E T

**V 1.0**

### DESCRIPTION

The cable shall be suitable to transport data, using the ANSI E1.11 USITT DMX512-A protocol, and mains power along its two separate inner cables.

The cable shall be able to endure the everyday wear and tear of the entertainment industry.

The cable shall have a good flame retardant fire rating.

The cable shall have a toughened jacket to give it better resistance to damage caused by everyday use.

The cable shall be factory-tested for Hi-Pot, Continuity, Impedance and Capacitance.

The DMX data cable shall have 1 pair of conductors with red and orange colour coding.

The DMX power cable shall have 1 pair of the core inner cable with brown, blue and green/yellow colour coding.

The data cores shall have a 110 Ohm Impedance Characteristic.

### ORDERING INFORMATION

**Model**

Tourflex Datasafe Ultra Hybrid 3 x 2.5mm<sup>2</sup> Power & 1 Pair Data DMX Cable

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### OVERALL SPECIFICATIONS

Cores	<b>Data Pair &amp; Drain Wire:</b> 0.34mm <sup>2</sup> - 19 strands of 0.15mm tinned annealed copper Nominal Capacitance conductor / conductor - 65pF/m (19.9pF/ft) Conductivity - 53 Ohm/Km (16 Ohm/1000ft) @ 20°C
	<b>Data Pair Colour:</b> Red & Orange Inner Cable diameter 5.6mm +/- 0.4mm
	<b>Data Screen:</b> AL/PET tape
	<b>Power:</b> 3 x 2.5mm <sup>2</sup> Bare annealed copper class 5 flexible stranding acc EN60228 Conductivity - 7.98 Ohm/Km (2.43 Ohm/1000ft)
	<b>Power Colour:</b> Brown (Live), Blue (Neutral), Green/Yellow (Mains Earth) Inner Cable diameter: 8.3mm +/- 0.1mm
Data Shielding	Braid Shield - 36 AWG tinned Cu @ 90% coverage. Braid angle < 40 degrees Nominal capacitance - conductor / shield 110pF/m (34pF/ft) Tape Shield - 0.021mm aluminium / polyester with aluminium facing out
Fillers Strength Members	Filler - Fibrillated flame retardant polypropylene
Outer Jacket	Polyvinyl Chloride - Black - 1.0mm (0.039") Nominal Thickness Overall cable diameter 16.9mm +/- 0.2mm (0.665" +/- 0.007") Operating temperature range -30°C to +70°C Min bend radius 5 x OD
Characteristic Impedance	110 Ohms
Weight per km	365 kg
Compliance	RoHS, CE, WEEE, IEC60332-1-2, EN60228



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