



# Tourflex® Datasafe Ultra™ 2 Pair DMX Cable

**Part No:  
TFDSU2PREU**

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

**V 1.1**

### DESCRIPTION

The cable shall be suitable to transport ANSI E1.11 USITT DMX 512-A protocol over its pairs from a control console to a DMX lighting system.

The cable shall be able to endure the every day abuse of the entertainment industry.

The cable shall have a fire retardant rating compliant to IEC60332-1-2.

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 cable shall have 2 pair of conductors with colour coding for pair 1 to be red and orange, pair 2 to be yellow and green.

The cable shall have 110 Ohm Impedance Characteristic.

### ORDERING INFORMATION

**Model**

Tourflex Datasafe Ultra 2 Pair 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 OFC conductors in accordance to PN-EN 60228 Nominal capacitance conductor / conductor - 65pF/m (19.8pF/ft)
	<b>Data Pair:</b> Colour Coded P1 - Red & Orange, P2 - Yellow & Green Dielectric 0.4mm (0.016") nominal wall of foam polyethylene to diameter of 1.57mm +/- 0.05mm (0.062" +/- 0.002") Conductivity - 53 Ohms/km (16 Ohms/1000ft) @ 20°C
Shielding	Braid Shield - 36 AWG tinned CuSu @ 95% - 100% coverage. Braid angle < 40 degrees Nominal capacitance conductor / shield 110pF/m (33.5pF/ft) Tape Shield - 0.0381mm (0.0015") aluminium / polyester with aluminium out
Fillers Strength Members	Filler - Fibrillated flame retardant polypropylene Binder - 0.0254mm (0.001") clear polyester tape over core - 25% min lap
Outer Jacket	Polyvinyl Chloride - Black - 0.89mm (0.035") Nominal Thickness with paper separator Overall cable diameter 8.1mm +/- 0.1mm (0.320" +/- 0.004") Operating temperature range -30°C to +70°C Minimum bend radius - 5 x O.D.
Characteristic Impedance	110 Ohms
Weight per 1m	87 grams / 3.07 ounces
Weight per 12 inches	26.54 grams / 0.936 ounces
Compliance	RoHS, CE, WEEE, IEC60332-1-2



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