



Tourflex® Datasafe Ultra™ Digital Colour Changer Cable

**Part No:
TFDSUPDEU**

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

V 1.4

DESCRIPTION

The cable shall be suitable to transport DMX-512A protocol and power from a power supply unit to lighting accessories such as colour scrollers and gobo rotators.

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

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

The cable shall have a toughened jacket to give it better resistance to damage caused by everyday use and outdoor use (splash proof *)

The cable shall be UV resistant.

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

The cable shall have 1 pair of data conductors with red and orange colour coding and 110 Ohm Impedance Characteristic.

The cable shall have 1 pair of 14AWG power conductors with brown and yellow colour coding.

*subject to suitable termination

ORDERING INFORMATION

Model

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OVERALL SPECIFICATIONS

Cores	<p>Data Pair & Drain Wire: 0.34mm² - 19 strands of 0.15mm tinned OFC conductors in accordance to PN-EN 60228</p> <p>Data Pair: Colour Coded Red & Orange. Foam Polyethylene to nominal diameter 1.57mm +/- 0.05mm (0.062" +/- 0.002")</p> <p>Nominal capacitance conductor / conductor: 65pF/m (19.8pF/ft)</p> <p>Conductivity - 55 Ohms/km (16 Ohms/1000ft) @ 20°C</p>
	<p>Power Pair: 2.5mm² Class 5 Flexible, plain annealed copper wires</p> <p>Power Pair: Colour Coded Brown and Yellow. PVC Insulation nominal diameter 2.64mm +/- 0.05mm (0.104" +/- 0.002")</p> <p>Conductivity - 7.98 Ohms/km (2.4 Ohms/1000ft) @ 20 °C</p> <p>Max Operating Voltage – 300 / 500V</p>
Shielding	<p>Data Pair: Tape Shield - 0.0381mm (0.0015") aluminium / polyester with aluminium facing in on pair only</p>
Fillers Strength Members	<p>Filler - Fibrillated flame retardant polypropylene</p> <p>Data Pair: Binder - 0.0254mm (0.001") clear polyester tape over core - 25% min lap</p>
Outer Jacket	<p>Polyvinyl Chloride - Black - 0.89mm (0.035") Nominal Thickness with paper separator</p> <p>Overall cable diameter 8.2mm +/- 0.3mm (0.283" +/- 0.012")</p> <p>Operating temperature range -30°C to +70°C</p> <p>Minimum bend radius - 6 x O.D.</p>
Characteristic Impedance	110 Ohms
Weight per 1m	100 grams / 3.5 ounces
Weight per 12 inches	30.5 grams / 1.1 ounces
Compliance	RoHS, CE, WEEE, IEC60332-1-2



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