



Tourflex® Datasafe Ultra™ Hybrid 3 x 1.5mm² Power & 1 Pair DMX Cable

Part No:
TFDSHY1PRD

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

The cable shall have a 3 core inner cable with brown, blue and green/yellow colour coding for power.

The data cores shall have a 110 Ohm Impedance Characteristic.

ORDERING INFORMATION

Model

Tourflex Datasafe Ultra Hybrid 3 x 1.5mm² Power & 1 Pair Data DMX Cable

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OVERALL SPECIFICATIONS

Cores	Data Pair & Drain Wire: 0.34mm ² - 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
	Data Pair Colour: Red & Orange Inner Cable diameter 5.6mm +/- 0.4mm
	Power: 3 x 1.5mm ² 32 strands of 0.24mm bare copper - Green/Yellow, Brown & Blue Conductivity - 13.3 Ohm/Km (4.05 Ohm/1000ft)
	Data Screen: AL/PET tape
	Power Colour: Brown (Live), Blue (Neutral), Green/Yellow (Mains Earth) Inner Cable diameter: 6.5mm +/- 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 ca. Overall cable diameter 14.5mm +/- 0.2mm (0.571" +/- 0.008") Operating temperature range -30°C to +70°C
Characteristic Impedance	110 Ohms
Weight per 1m	280 grams / 9.8 ounces
Weight per 12 inches	85 grams / 3 ounces
Compliance	RoHS, CE, WEEE, IEC60332-1-2



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