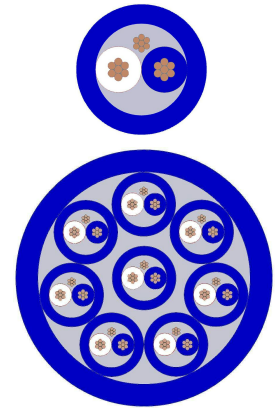


DESCRIPTION

The Defiance range of Audio Broadcast/Tour Grade cables that offer weight savings of up to 8%, have been designed to provide an extremely tough, flexible universal solution for outside digital AES/EBU systems used in the professional audio and broadcast markets.

At the heart of the product is our low loss insulation polymer alloy to deliver real 110Ω AES/EBU performance. The balanced performance coupled with Oxygen Free Tinned Copper conductors and our **QwiKStrip** bonded aluminium foil on each component jacket provides a reliable and fast termination solution to ensure the optimum performance of the product is never compromised.



COMPONENT DETAILS

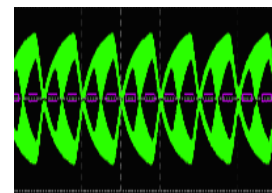
Conductor	7 strand AWG24 - [0.22m ²] OFTC
Insulation	Low loss polyolefin alloy
Core Colours	White / Blue as standard
Drainwire	AWG26 [0.14mm ²] OFTC
Shield	Individual QwiKStrip bonded aluminium foil.
Shield Coverage	> 100%
Individual Sheath	LSOH
Overall Diameter	3.4mm maximum*
Jacket Colour	Blue [other colours available on request]
Identification	Numbered Print

* On components used in a multiway product, when used as a single the diameter is 4.1mm Nominal.

CABLE CONFIGURATIONS

PRODUCT CODE	NUMBER OF PAIRS	NOMINAL CABLE DIAMETER	PRODUCT DESCRIPTION	OVERALL CABLE WEIGHT (Kgs/Km)
D1QS	1	3.4mm	1x2xAWG24	15
D2QS	2	8.2mm	2x2xAWG24	68
D4QS	4	10.2mm	4x2xAWG24	99
D8QS	8	13.7mm	8x2xAWG24	176
D12QS	12	15.9mm	12x2xAWG24	246
D24QS	24	23.6mm	24x2xAWG24	480

Higher Pair counts available on request [up to 48 pairs]



Typical AES/EBU Trace

CABLE PERFORMANCE

CHARACTERISTIC	PERFORMANCE	CHARACTERISTIC	PERFORMANCE
Conductor Resistance	< 85Ω/Km @ 20°C	Characteristic Impedance	110Ω
Maximum Operating Voltage	250V	Bend Radius (Installed)	6X Diameter
Capacitance [conductor to conductor]	<48pF/Metre	Bend Radius (Touring)	10X Diameter
Capacitance [conductor to conductor + screen]	<100pF/Metre	Operating Temperature	-40°C to +90°C

