

# Belden 8778 Multi-Pair Cable



Eland Product Group: **A4B**

## APPLICATION

Belden 8778 Multi-Pair Cables are used to connect multiple audio channels in low-level (microphone) and high-level (line) componentry such as console board equipment for recording studios, radio television stations, post-production facilities, and sound system installations.

## CONSTRUCTION

### Conductor

Class 2 stranded tinned copper conductor

### Insulation

PP (Polypropylene)

### Screen

Beldfoil® (Aluminium Foil Polyester Tape)

### Drain Wire

Tinned copper

### Sheath

PVC (Polyvinyl Chloride)

## CABLE STANDARDS

Belden 8778



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

## CHARACTERISTICS

### Voltage Rating

30V

### Temperature Rating

-20°C to +80°C

### Minimum Bending Radius

10 x overall diameter

### Pair Identification

Pair 1: ● Black ● Red

Pair 2: ● Black ○ White

Pair 3: ● Black ● Green

Pair 4: ● Black ● Blue

Pair 5: ● Black ● Yellow

Pair 6: ● Black ● Brown

### Sheath Colour

● Grey

## DIMENSIONS

ELAND PART NO.	BELDEN REFERENCE	NO. OF PAIRS	AWG (NO. OF STRANDS)	NOMINAL DIAMETER OF STRANDS		NOMINAL OVERALL DIAMETER		NOMINAL WEIGHT	
				in.	mm	in.	mm	lbs/1000ft.	kg/km
A4B8778	8778	6	AWG22(7)	0.03	0.762	0.352	8.94	70	104

## PERFORMANCE CHARACTERISTICS

BELDEN REFERENCE	CAPACITANCE (CONDUCTOR TO CONDUCTOR)		CAPACITANCE (CONDUCTOR TO SHIELD)		NOMINAL INDUCTANCE	
	pF/ft.	pF/m	pF/ft.	pF/m	μH/ft.	μH/m
8778	30	98.4	55	180.4	0.18	0.59

## ELECTRICAL CHARACTERISTICS

BELDEN REFERENCE	IMPEDANCE ohms	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C		NOMINAL VELOCITY OF PROPAGATION %	CURRENT CARRYING CAPACITY AT 25°C Amps
		ohms/1000ft.	ohms/km		
8778	50	15	49.2	66	2