



# 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.

## CHARACTERISTICS

**Voltage Rating**  
300V

**Temperature Rating**  
-20°C to +80°C

**Minimum Bending Radius**  
10 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 2 stranded tinned copper

**Insulation**  
PP (Polypropylene)

**Screen**  
Beldfoil<sup>®</sup> (Aluminium foil polyester tape)

**Drain Wire**  
Tinned copper

**Sheath**  
PVC (Polyvinyl Chloride)

**Core 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

## STANDARDS

Belden 8778

### ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab<sup>®</sup>, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



8578

FS 672069

EMS 672067

OHS 672066

## REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup> as meeting the requirements of the BSI RoHS Trusted Kitemark<sup>™</sup>.





## DIMENSIONS

ELAND PART NO.	BELDEN REFERENCE	NO. OF PAIRS	AWG (NO. OF STRANDS)	NOMINAL DIAMETER OF STRANDS		NOMINAL OVERALL DIAMETER		NOMINAL WEIGHT	
				mm	in.	mm	in.	kg/km	mm
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

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.