

Belden 8774 Multi-Conductor CM Rated Cable



Eland Product Group: A4B

APPLICATION

A multi-pair CM rated cable for general use. Not suitable for CMR/Plenum applications.

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[®] (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
- Pair 7: ● Black ● Orange
- Pair 8: ● Red ○ White
- Pair 9: ● Red ● Green

Sheath Colour

- Grey

STANDARDS

Belden 8774

Vertical tray fire propagation and smoke release test: UL 1685

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab[®], 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.



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[®] as meeting the requirements of the BSI RoHS Trusted Kitemark[™].





DIMENSIONS

ELAND PART NO.	BELDEN REFERENCE	NO. OF PAIRS	AWG (NO. OF STRANDS)	NOMINAL DIAMETER OF STRANDS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A4B8774	8774	9	AWG22(7)	0.30	10.414	150.308

ELECTRICAL CHARACTERISTICS

AWG (NO. OF STRANDS)	CAPACITANCE $\mu\text{F}/\text{m}$		VELOCITY OF PROPAGATION %	INDUCTANCE $\mu\text{H}/\text{m}$	IMPEDANCE ohms	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
	Conductor to Conductor	Conductor to Shield				
AWG22(7)	98.43	180.45	66	0.0590	50	49.215

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.