

# 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/Plenun applications.

## 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

UL 1685



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

300V

### 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
- Pair 7: ● Black ● Orange
- Pair 8: ● Red ○ White
- Pair 9: ● Red ● Green

### Sheath Colour

- Grey

## 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)	0.0509	10.414	150.308

## ELECTRICAL CHARACTERISTICS

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