

## 8102 to 8106eQ Multi-Conductor Low Capacitance Cable



### Application

Foil and braid screen cable used over extended distances at high data rates for RS232 and RS422 applications.

### Standards

EIA RS 232, EIA/RS 422

Vertical tray fire propagation and smoke release test UL 1685

### Characteristics

#### Voltage Rating

300

#### Temperature Rating

-30°C to +80°C

#### Minimum Bending Radius

10 x overall diameter



### Construction

#### Conductor

Class 2 stranded tinned copper

#### Insulation

Foam Polyethylene

#### Screen 1

Aluminium foil polyester tape

#### Drain Wire

Tinned copper

#### Screen 2

TCWB (Tinned Copper Wire Braid)

#### Sheath

PVC (Polyvinyl Chloride)

#### Sheath Colour

Grey

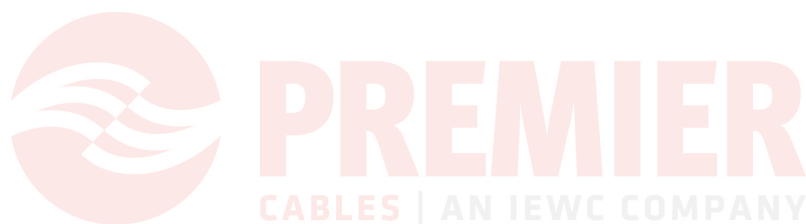


## Dimensions

BELDEN REFERENCE	NO. OF PAIRS	AWG (NO. OF STRANDS)	NOMINAL DIAMETER OF STRANDS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
8102	2	AWG24(7)	0.032	6.85	50.6

## Electrical Characteristics

AWG (NO. OF STRANDS)	CAPACITANCE pF/m		NOMINAL INDUCTANCE $\mu$ H/m	IMPEDANCE ohms	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
	Conductor to Conductor	Conductor to Shield			
AWG24(7)	41.01	72.18	0.65	100	78



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.