

Multi-Conductor Low Capacitance (Belden 8102 Alternative) Cable

multicomp PRO

**RoHS
Compliant**



Application

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

Characteristics

Voltage Rating	: 300V
Temperature Rating	: -30°C to +80°C
Minimum Bending Radius	: 10 × overall diameter
Pair Identification	: Pair 1: White/Blue, Blue/White Pair 2: White/Orange, Orange/White
Sheath Colour	: Grey

Cable Standards

EIA RS-232, RS 422, UL Style 2919, UL 1685

Construction

Conductor

Class 2 stranded tinned copper conductor

Insulation

Datalene® FPE (Foam Polyethylene)

Screen 1

Beldfoil® (Aluminium foil polyester tape)

Drain Wire

Tinned Copper

Screen 2

TCWB (Tinned Copper Wire Braid)

Sheath

PVC (Polyvinyl Chloride)

This product range is available on reels of 100m or per metre

Dimensions

No. of Pairs	AWG (No. of Strands)	Nominal Diameter of Strands mm	Nominal Overall Diameter mm	Nominal Weight kg/km
2	AWG24 (7)	0.032	6.85	50.6

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Electrical Characteristics

AWG (No. of Strands)	Capacitance		Nominal Inductance $\mu\text{H}/\text{m}$	Impedance Ω	Maximum Resistance of Conductor at 20°C Ω/km
	Conductor to Conductor pF/m	Conductor to Shield pF/m			
AWG24 (7)	41.01	72.18	0.65	100	78

Part Number Table

Description	Cable Length	Part Number
Multi-Conductor Low Capacitance Cable, (Belden 8102 Alternative), 2Pair, 24AWG, Grey	100m or per metre	PP002187

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