

3 Pair Individually Foil Screened Pairs with Overall Foil and Braid Screen RS232 Low Capacitance Cable 24 AWG (Belden 8163 Equiv.)

Part number: 516-003

Description:

24 AWG stranded (7x32) TC conductors, Datalene® insulation, twisted pairs individually Beldfoil® shielded + overall 100% Beldfoil + TC braid shield (65% coverage), drain wire, PVC jacket

Conductor

Number of pairs	AWG	Stranding	Conductor material
3	24	7x32	TC- Tinned copper

Insulator

Insulation Material	Wall Thickness (mm)
FPE - Foam Polyethylene	0.483

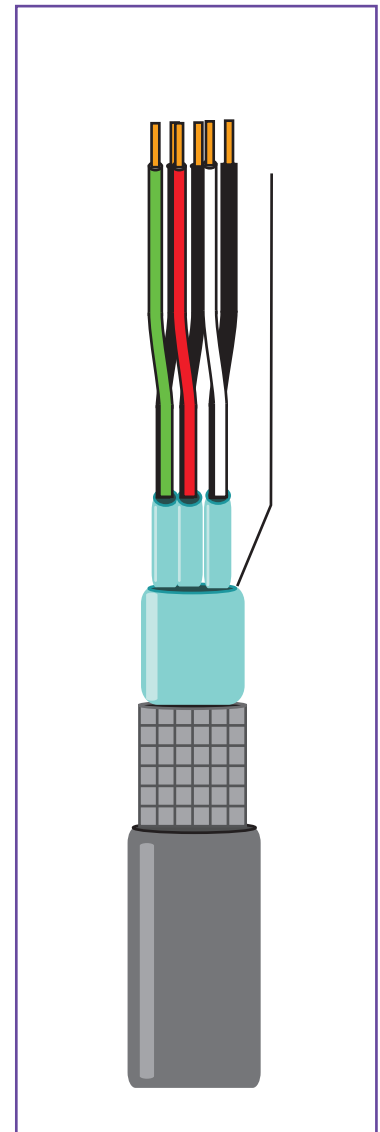
Inner Shield and Outer shield

Inner Shield Trade Name	Type	Outer shield material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum foil-polyester tape	100

Layer#	Outer shield trade name	Type	Outer shield material	Coverage (%)
1	Beldfoil® (w/ shorting fold)	Tape	Aluminum Foil polyester tape	100
2		Braid	TC - Tinned copper	65

Outer Jacket

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC	1.219



Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +60°C  
 Non-UL Temperature Rating: 60°C (UL AWM Style 2493)  
 Bulk Cable Weight: 92.268 Kg/Km  
 Max. Recommended Pulling Tension: 373.649 N  
 Min. Bend Radius/Minor Axis: 95.250 mm  
 Overall diameter: 9.119 mm

Electrical Characteristics

**Impedance (Ohm):** 100  
**Inductance (µH/m):** 0.748068  
**Capacitance (pF/m):** 41.0125  
**Velocity of Propagation:** 78  
**DCR @ 20°C (Ohm/km):** 78.744  
**Voltage:** 300 V RMS  
**Current:** 1.6 Amps per conductor @ 25°C