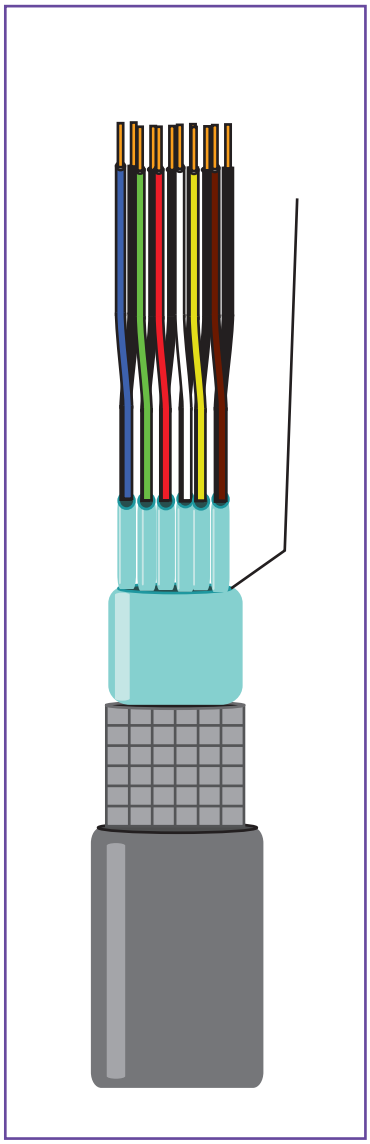
6 Pair Individually Foil Screened Pairs with Overall Foil and Braid Screen RS232 Low Capacitance Cable 24 AWG (Belden 8166 Equiv.)

Part number: 516-007

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
6	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: 133.938 Kg/Km
Max. Recommended Pulling Tension: 671.678 N
Min. Bend Radius/Minor Axis: 114.300 mm
Overall diameter: 11.328 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

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