

15 Pair Individually Screened Pairs Low Capacitance RS422 Cable 24 AWG (Belden 9735 Equiv.)

Part number: 512-014

Description:

24 AWG stranded (7x32) TC conductors, Datalene® insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 24 AWG stranded TC drain wire, overall PVC jacket.

Conductor

Number of pairs	AWG	Stranding	Conductor Material
15	24	7x32	TC- Tinned copper

Insulator

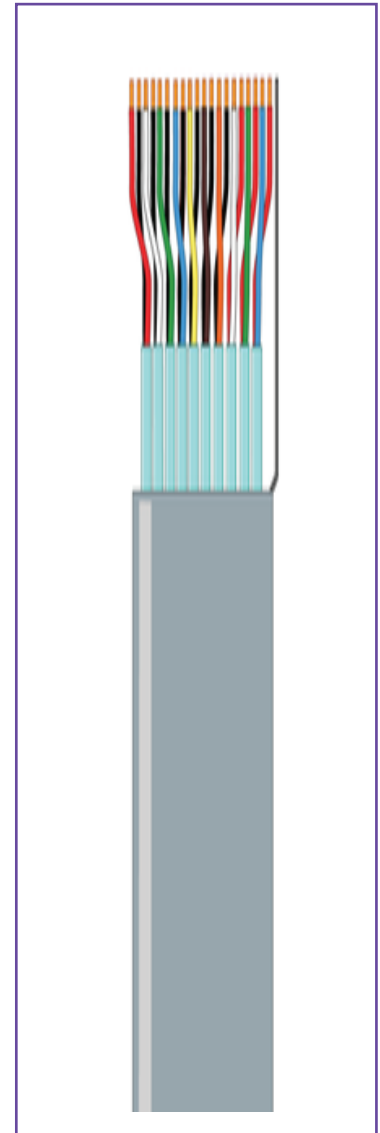
Insulation Material	Wall Thickness (mm)
FPE - Foam Polyethylene	1.5494

Outer Shield

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

Outer Jacket

Outer Jacket Material
PVC - Polyvinyl Chloride



Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C  
 UL Temperature Rating: 60°C (UL AWM Style 2493)  
 Bulk Cable Weight: 267.876 Kg/Km  
 Max. Recommended Pulling Tension: 1112.050 N  
 Min. Bend Radius/Minor Axis: 165.100 mm  
 Overall diameter: 16.231 mm

Electrical Characteristics

**Impedance (Ohm):** 100  
**Capacitance (pF/ft):** 41.0125  
**Nominal Velocity of Propagation:** 76  
**DCR @ 20°C (Ohm/1000 ft):** 78.744  
**Max. Operating Voltage:** 300 V RMS  
**Max. Recommended Current:** 1.9 Amps per conductor @ 25 °C