

2 Pair Individually Screened Pairs Low Capacitance RS422 Cable 24 AWG (Belden 9729 DUCT Equiv.)

Part number: 512-003

Description:

24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded tinned copper drain wire, LDPE jacket.

Conductor

Number of pairs	AWG	Stranding	Conductor material
2	24	7x32	TC- Tinned copper

Insulator

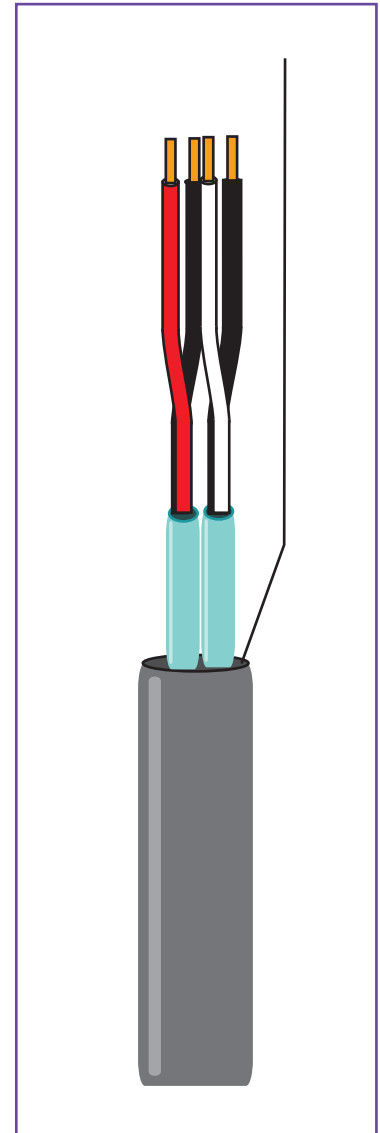
Insulation Material	Wall Thickness (mm)
FPE - Foam Polyethylene	0.483

Inner Shield

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

Outer Jacket

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



Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C
 UL Temperature Rating: 60°C (UL AWM Style 2493)
 Bulk Cable Weight: 52.087 Kg/Km
 Max. Recommended Pulling Tension: 97.860 N
 Min. Bend Radius/Minor Axis: 69.850 mm
 Overall diameter: 6.756 mm

Electrical Characteristics

Impedance (Ohm): 100
 Inductance(µH/m): 0.75463
 Capacitance (pF/ft): 41.0125
 DCR @ 20°C (Ohm/1000 ft): 78.744
 Max. Operating Voltage: 300 V RMS
 Max. Recommended Current: 1 Amps per conductor @ 25 °C