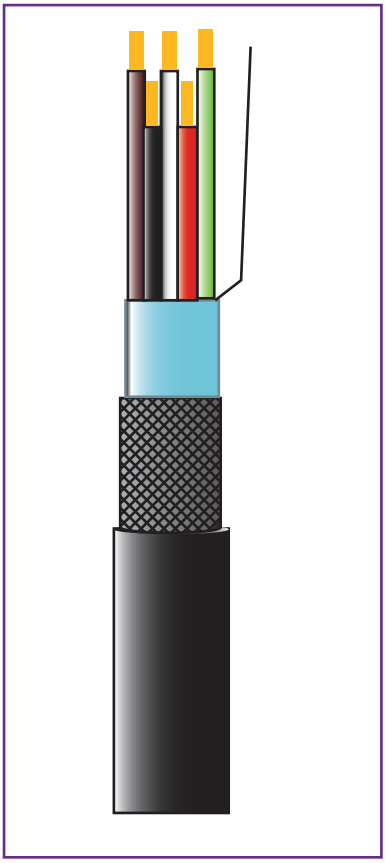
GEM CABLE SOLUTIONS

5 Core Overall Foil and Braid Screened Cores RS232 and RS423Low Capacitance Cable 24 AWG (Belden 9929 Equiv.)

Part number: 514-004

Description:

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



Conductor

# Conductors	AWG	Stranding	Conductor Material
5	24	7x32	TC- Tinned copper

Insulator

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	0.381

Outer Shield

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

Outer Jacket

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C
UL Temperature Rating: 80°C (UL AWM Style 2919)
Bulk Cable Weight: 47.622 Kg/Km
Max. Recommended Pulling Tension: 253.547 N
Min. Bend Radius/Minor Axis: 63.500 mm
Overall diameter: 6.248 mm

Electrical Characteristics

Capacitance (pF/m): 39.372
Nominal Velocity of Propagation: 78
DCR @ 20°C (Ohm/km) : 78.744
Max. Operating Voltage: 300 V RMS
Max. Recommended Current: 1.8 Amps per conductor @ 25 °C

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