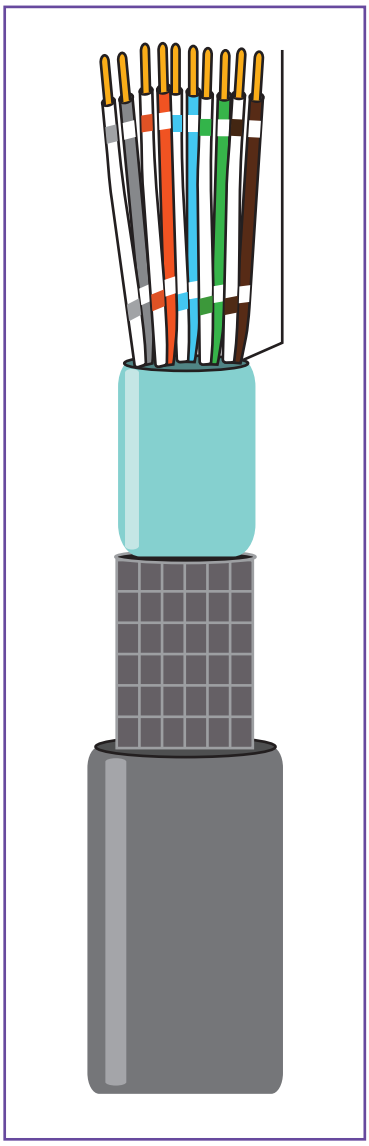
GEM CABLE SOLUTIONS

5 Pair Overall Foil and Braid Screened Multicore RS232 and RS422 Cable 24(7) AWG (Belden 9832 Equiv.)

Part number: 519-005

Description:

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



Conductor

Number of pairs	AWG	Stranding	Conductor Material
5	24	7x32	TC- Tinned copper

Insulator

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.406

Outer Shield

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 - 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: 86.316 Kg/Km
Max. Recommended Pulling Tension: 346.960 N
Min. Bend Radius/Minor Axis: 88.900 mm
Overall diameter: 8.585 mm

Electrical Characteristics

Impedance (Ohm): 100
Capacitance (pF/m): 50.8555
Nominal Velocity of Propagation: 66%
DCR @ 20°C (Ohm/KM) : 78.744
Max. Operating Voltage: 300 V RMS
Max. Recommended Current: 1.68 Amps per conductor @ 25 °C

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