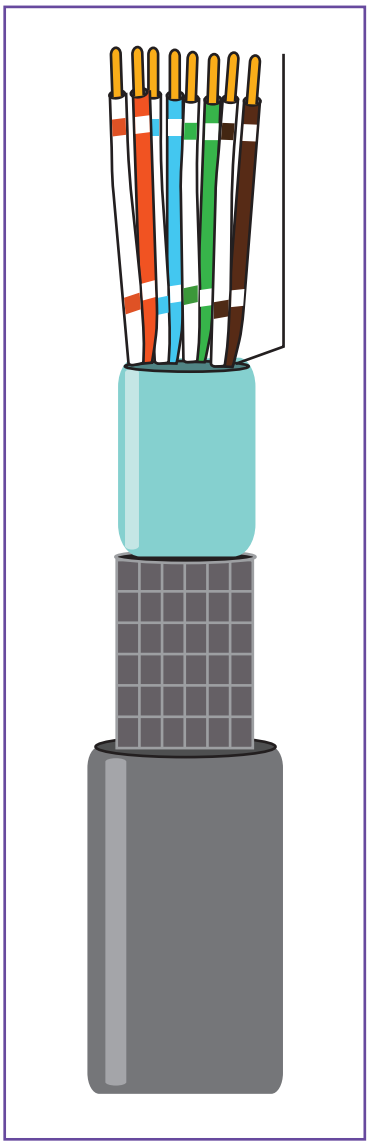
4 Pair Overall Foil and Braid Screened Pairs RS485 Low Capacitance Cable 125 AWG (Belden 9844 LSHF Equiv.)

Part number: 513-011

Description:

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 24 AWG stranded TC drain wire, LSHF jacket.



Conductor

Number of pairs	AWG	Stranding	Conductor Material
4	24	7x32	TC- Tinned copper

Insulator

Insulation Material	Dia. (mm)
PE - Polyethylene	0.559

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	90

Outer Jacket

Outer Jacket Material	Nom. Wall Thickness (mm)
LSHF	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: 105.662 Kg/Km
Max. Recommended Pulling Tension: 489.302 N
Min. Bend Radius/Minor Axis: 101.600 mm
Overall diameter: 9.906 mm

Electrical Characteristics

Impedance (Ohm): 120
Capacitance (pF/m): 41.9968
Nominal Velocity of Propagation: 66
DCR @ 20°C (Ohm/KM) : 78.744
Max. Operating Voltage: 300 V RMS
Max. Recommended Current: 1.54 Amps per conductor @ 25 °C

Unit 10, The Dencora Centre, Campfield Road, St. Albans, Herts AL1 5HN, United Kingdom.
T 44 (0)1727 845750 | F 44 (0)1727 838780 | E info@gemcable.co.uk | W gemcable.co.uk