

1 Pair Overall Foil and Braid Screened Pairs RS485 Low Capacitance Cable 64 AWG (Belden 9841 Equiv.)

Part number: 513-001

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, LDPE jacket.

Conductor

Number of pairs	AWG	Stranding	Conductor Material	Dia.(mm)
1	24	7x32	TC- Tinned copper	0.6096

Insulator

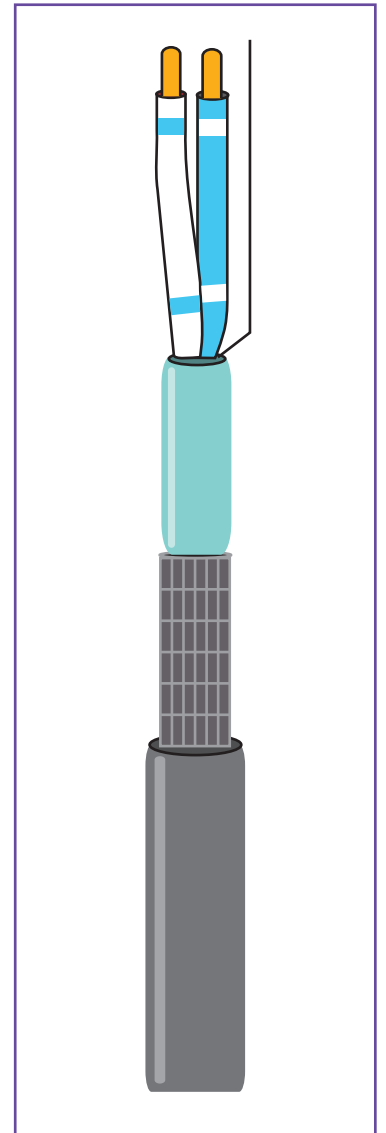
Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	0.584

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)
LDPE	0.889



Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +90°C
 UL Temperature Rating: 80°C (UL AWM Style 2919)
 Bulk Cable Weight: 53.575 Kg/Km
 Max. Recommended Pulling Tension: 321.605 N
 Min. Bend Radius/Minor Axis: 63.500 mm
 Overall diameter: 5.893 mm

Electrical Characteristics

Impedance (Ohm): 150
Capacitance (pF/ft): 41.9968
Nominal Velocity of Propagation: 66
DCR @ 20°C (Ohm/1000 ft): 78.744
Max. Operating Voltage: 300 V RMS
Max. Recommended Current: 2.1 Amps per conductor @ 25 °C