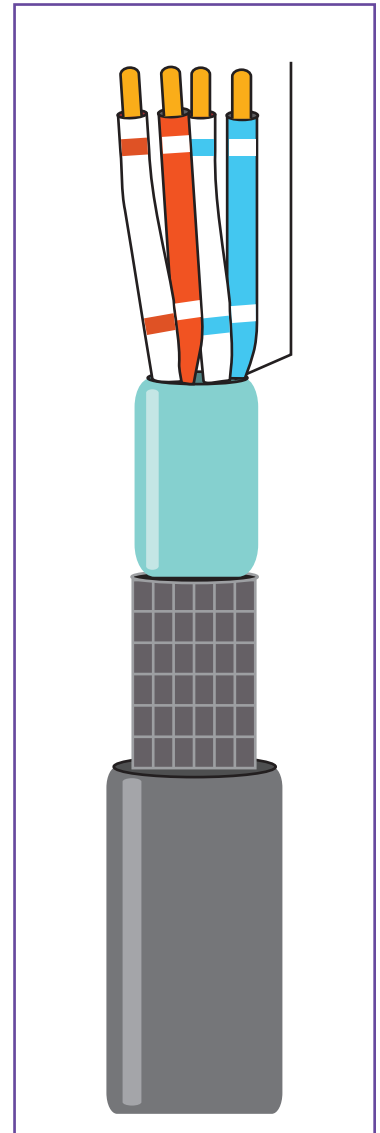


2 Pair Overall Foil and Braid Screened Pairs RS485 Low Capacitance Cable 95 AWG (Belden 9842 Equiv.)

Part number: 513-005

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, HDPE jacket



Conductor

Number of pairs	AWG	Stranding	Conductor Material
2	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)
HDPE	0.889

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C  
 UL Temperature Rating: 80°C  
 Bulk Cable Weight: 72.922 Kg/Km  
 Max. Recommended Pulling Tension: 386.993 N  
 Min. Bend Radius/Minor Axis: 88.900 mm  
 Overall diameter: 5.893 mm

Electrical Characteristics

**Impedance (Ohm):** 120  
**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