

**BOXFORD PRODUCT SPECIFICATION****BOX1952ZH Multi-Conductor EIA RS-485****PHYSICAL CHARACTERISTICS****Conductor**

Pairs: 1 AWG: 24      Stranding: 7x0.20      Material: TC - Tinned Copper

**Insulation**

Material: PE - Polyethylene

**Pair**

Colour: White/Blue & Blue/White

**Shield**

Outer Layer 1 - Type: Tape	Material: Aluminium Foil - Polyester Tape	Coverage: 100%
Outer Layer 2 - Type: Braid	Material: TC - Tinned Copper	Coverage: 90%
Drain Wire - AWG: 24	Stranding: 7x0.20	Material: TC - Tinned Copper

**Jacket**

Material: LSZH - Low Smoke Zero Halogen      Colour: Grey

**Cable**

Overall Nominal Diameter: 5.9mm

**MECHANICAL CHARACTERISTICS****Temperature Range**

Static: -20°C to +80°C  
Installation: -5°C to +80°C

**Weight**

Bulk Cable Weight: 46kg/km

**ELECTRICAL CHARACTERISTICS****Nominal Character Impedance**

Impedance: 120 Ohm

**Nominal Capacitance Conductor to Conductor**

Capacitance: 43 pF/m

**Maximum Operating Voltage**

Voltage: 300V RMS