

## BOXFORD PRODUCT SPECIFICATION

### BOX1953ZH Multi-Conductor EIA RS-485

#### PHYSICAL CHARACTERISTICS

##### Conductor

Pairs: 2 AWG: 24      Stranding: 7x0.20      Material: TC - Tinned Copper

##### Insulation

Material: PE - Polyethylene

##### Pair

Colour Pair 1: White/Blue & Blue/White

Colour Pair 2: White/Orange & Orange/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: 8.2mm

#### MECHANICAL CHARACTERISTICS

##### Temperature Range

Static: -20°C to +80°C

Installation: -5°C to +80°C

##### Weight

Bulk Cable Weight: 72kg/km

#### ELECTRICAL CHARACTERISTICS

##### Nominal Character Impedance

Impedance: 120 Ohm

##### Nominal Capacitance Conductor to Conductor

Capacitance: 43 pF/m

##### Maximum Operating Voltage

Voltage: 300V RMS