

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