



**DEKORON PRODUCT SPECIFICATION**

**INSTRUMENTATION CABLE - BLUE INTRINSICALLY SAFE**

**CABLE COMPONENTS**

Conductor Size: 0.5mm<sup>2</sup>  
 Conductor Stranding: 7/0.30mm  
 Conductor Material: Bare Copper  
 Insulation Material: V90HT FR-PVC  
 Colour Code: Black & White Numbered Cores  
 Individual Shield: Aluminium / Polyester Tape  
 Individual Drain: 0.35mm<sup>2</sup> 7 Strand Tinned Copper  
 Comm. Wire: 22AWG Solid Bare Copper  
 Overall Shield: Aluminium / Polyester Tape  
 Overall Drain: 0.5mm<sup>2</sup> 7 Strand Tinned Copper  
 Ripcord: Ripcord  
 Jacket: FR-PVC Blue Jacket

**ELECTRICAL PROPERTIES**

Nominal Working Voltage: 110V/150V AC/DC  
 Resistance: 34.45 Ω/km  
 L/R Ratio: 9 μH/Ω  
 Mutual Capacitance: 160 nF/km  
 Inductance: 617 μH/km

**APPLICABLE STANDARDS**

AS/NZS 3808: IEC 60079  
 AS/NZS 1125: IEC 60332

**PHYSICAL ATTRIBUTES**

Part Code	Pair Count	Minimum Bend Radius (mm)	Approx. Weight (kg/km)	Approx. OD (mm)
A1874-00280-203	2	58.17	101	8.560
A1874-00480-203	4	71.12	161	10.566
A1874-00680-203	6	81.53	212	12.268
A1874-00880-203	8	88.90	259	13.437
A1874-01080-203	10	107.95	346	16.154
A1874-01280-203	12	111.25	389	16.662
A1874-01680-203	16	122.43	483	18.440
A1874-02080-203	20	134.87	578	20.371
A1874-02480-203	24	152.15	707	23.089
A1874-03680-203	36	171.20	974	26.280
A1874-05080-203	50	200.15	1296	30.836