



## DEKORON PRODUCT SPECIFICATION

### INSTRUMENTATION CABLE WITH STEEL WIRE ARMOUR - 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
Bedding:	FR-PVC Black Jacket
Armour:	Galvanised Steel Wire Armour
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)
A1872-00280-209	2	169.16	317	12.370
A1872-00480-209	4	201.17	442	14.884
A1872-00680-209	6	231.39	617	17.247
A1872-00880-209	8	246.38	701	18.415
A1872-01080-209	10	284.48	866	21.133
A1872-01280-209	12	300.48	1067	22.403
A1872-01680-209	16	320.04	1223	24.181
A1872-02080-209	20	344.42	1382	26.111
A1872-02480-209	24	378.97	1597	28.829
A1872-03680-209	36	419.61	1987	32.029
A1872-05080-209	50	477.52	2459	36.576