



DEKORON PRODUCT SPECIFICATION

INSTRUMENTATION CABLE WITH STEEL WIRE ARMOUR - BLUE INTRINSICALLY SAFE

CABLE COMPONENTS

Conductor Size:	1.5mm ²
Conductor Stranding:	7/0.50mm
Conductor Material:	Bare Copper
Insulation Material:	V90HT FR-PVC
Colour Code:	Black & White Numbered Cores
Individual Shield:	Aluminium / Polyester Tape
Individual Drain:	0.35mm ² 7 Strand Tinned Copper
Comm. Wire:	22AWG Solid Bare Copper
Overall Shield:	Aluminium / Polyester Tape
Overall Drain:	0.5mm ² 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:	13.76 Ω/km
L/R Ratio:	20 μH/Ω
Mutual Capacitance:	210 nF/km
Inductance:	541 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)
A1872-60280-209	2	207.26	458	15.392
A1872-60480-209	4	240.79	693	18.059
A1872-60680-209	6	279.15	911	20.828
A1872-60880-209	8	308.10	1188	23.114
A1872-61080-209	10	342.39	1400	26.060
A1872-61280-209	12	351.03	1511	26.721
A1872-61680-209	16	386.84	1833	29.566
A1872-62080-209	20	419.10	2106	32.131
A1872-62480-209	24	456.18	2407	35.052
A1872-63680-209	36	516.13	3137	39.827
A1872-65080-209	50	600.96	4075	46.330