



## DEKORON PRODUCT SPECIFICATION

### INSTRUMENTATION CABLE WITH STEEL WIRE ARMOUR - BLUE INTRINSICALLY SAFE

#### CABLE COMPONENTS

Conductor Size:	1.5mm <sup>2</sup>
Conductor Stranding:	7/0.50mm
Conductor Material:	Bare Copper
Insulation Material:	V90HT FR-PVC
Colour Code:	Black, White & Red Numbered Cores
Comm. Wire <sup>1</sup> :	22AWG Solid Bare Copper
Overall Shield:	Aluminium / Polyester Tape
Overall Drain <sup>2</sup> :	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:	13.76 Ω/km
L/R Ratio:	20 μH/Ω
Mutual Capacitance <sup>3</sup> :	122 nF/km
Inductance:	541 μH/km

#### APPLICABLE STANDARDS

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

#### PHYSICAL ATTRIBUTES

Part Code	Triad Count	Minimum Bend Radius (mm)	Approx. Weight (kg/km)	Approx. OD (mm)
A1863-686RR-203	1	139.19	267	10.516
A1885-60280-209	2	-	502	14.644
A1885-60480-209	4	-	737	18.771
A1885-60680-209	6	-	1114	22.454
A1885-60880-209	8	-	1285	24.105
A1885-61080-209	10	-	1518	27.254
A1885-61280-209	12	-	1687	28.499
A1885-61680-209	16	-	1989	31.013
A1885-62080-209	20	-	2293	33.757
A1885-62480-209	24	-	2622	36.906
A1885-63680-209	36	-	-	-
A1885-65080-209	50	-	-	-

<sup>1</sup>No Comm. Wire in 1tr Cable

<sup>2</sup>Drain Wire in 1tr Cable is 0.35mm<sup>2</sup>

<sup>3</sup>Mutual Capacitance of 1tr Cable is 210 nF/km