



## DEKORON PRODUCT SPECIFICATION

### INSTRUMENTATION CABLE - 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
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)
A1862-6860R-203	1	-	88	6.706
A1880-60280-203	2	-	183	11.633
A1880-60480-203	4	-	294	13.792
A1880-60680-203	6	-	437	16.713
A1880-60880-203	8	-	546	18.364
A1880-61080-203	10	-	673	21.514
A1880-61280-203	12	-	800	22.758
A1880-61680-203	16	-	1017	25.273
A1880-62080-203	20	-	1235	28.016
A1880-62480-203	24	-	1458	31.166
A1880-63680-203	36	-	-	-
A1880-65080-203	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