



**DEKORON PRODUCT SPECIFICATION**

**INSTRUMENTATION CABLE WITH STEEL WIRE ARMOUR**

**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 & Red Numbered Cores  
 Individual Shield: Aluminium / Polyester Tape  
 Individual Drain: 0.32mm<sup>2</sup> 7 Strand Tinned Copper  
 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: 34.5 Ω/km  
 L/R Ratio: 9 μH/Ω  
 Mutual Capacitance<sup>3</sup>: 160 nF/km  
 Inductance: 620 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)
A1882-00280-209	2	165.20	375	13.767
A1882-00480-209	4	192.32	505	16.027
A1882-00680-209	6	218.02	713	18.618
A1882-00880-209	8	239.27	819	19.939
A1882-01080-209	10	284.99	1163	23.749
A1882-01280-209	12	292.31	1243	24.359
A1882-01680-209	16	316.38	1436	26.365
A1882-02080-209	20	348.99	1701	29.083
A1882-02480-209	24	379.48	1920	31.623
A1882-03680-209	36	-	-	-
A1882-05080-209	50	-	-	-