



## 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
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 Black 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> :	180 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)
A1863-086RR	1	123.98	209	9.322
A1885-00280	2	169.59	337	12.751
A1885-00480	4	204.71	471	15.392
A1885-00680	6	237.83	663	17.882
A1885-00880	8	254.38	749	19.126
A1885-01080	10	303.03	1082	22.784
A1885-01280	12	310.46	1153	23.343
A1885-01680	16	335.80	1326	25.248
A1885-02080	20	363.16	1504	27.305
A1885-02480	24	401.67	1748	30.201
A1885-03680	36			
A1885-05080	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