



DEKORON PRODUCT SPECIFICATION

INSTRUMENTATION CABLE

CABLE COMPONENTS

Conductor Size:	0.5mm ²
Conductor Stranding:	7/0.30mm
Conductor Material:	Bare Copper
Insulation Material:	V90HT FR-PVC
Colour Code:	Black & White Numbered Cores
Comm. Wire ¹ :	22AWG Solid Bare Copper
Overall Shield:	Aluminium / Polyester Tape
Overall Drain ² :	0.5mm ² 7 Strand Tinned Copper
Ripcord:	Ripcord
Jacket:	FR-PVC Black Jacket

ELECTRICAL PROPERTIES

Nominal Working Voltage:	110V/150V AC/DC
Resistance:	34.46 Ω/km
L/R Ratio:	9 μH/Ω
Mutual Capacitance ³ :	102 nF/km
Inductance:	617 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)
A1852-0860R	1	36.83	43	5.232
A1870-00280	2	54.36	87	7.950
A1870-00480	4	64.26	126	9.474
A1870-00680	6	75.95	178	11.303
A1870-00880	8	83.82	218	12.624
A1870-01080	10	91.19	256	13.818
A1870-01280	12	98.30	297	14.884
A1870-01680	16	115.06	401	17.272
A1870-02080	20	125.73	481	18.923
A1870-02480	24	135.38	551	20.422
A1870-03680	36	165.60	765	23.350
A1870-05080	50	185.67	1053	28.550

¹No Comm. Wire in 1pr Cable

²Drain Wire in 1pr Cable is 0.35mm²

³Mutual Capacitance of 1pr Cable is 160 nF/km