



DEKORON PRODUCT SPECIFICATION

INSTRUMENTATION CABLE WITH STEEL WIRE ARMOUR - BLUE INTRINSICALLY SAFE

CABLE COMPONENTS

Conductor Size:	1.5mm ²
Conductor Stranding:	7/0.50mm
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
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 ³ :	122 nF/km
Inductance:	541 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)
A1853-686RR-203	1	134.37	242	10.160
A1875-60280-209	2	197.61	416	14.656
A1875-60480-209	4	231.14	624	17.297
A1875-60680-209	6	253.49	753	19.050
A1875-60880-209	8	295.15	1060	22.098
A1875-61080-209	10	315.21	1198	23.647
A1875-61280-209	12	330.20	1317	25.070
A1875-61680-209	16	361.44	1552	27.559
A1875-62080-209	20	395.22	1813	30.251
A1875-62480-209	24	436.12	2040	32.233
A1875-63680-209	36	494.28	3060	38.100
A1875-65080-209	50	-	-	-

¹No Comm. Wire in 1pr Cable

²Drain Wire in 1pr Cable is 0.35mm²

³Mutual Capacitance of 1pr Cable is 210 nF/km