



DEKORON PRODUCT SPECIFICATION

INSTRUMENTATION CABLE - 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
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)
A1852-6860R-203	1	44.45	70	6.350
A1870-60280-203	2	69.34	142	10.338
A1870-60480-203	4	81.28	220	12.319
A1870-60680-203	6	92.46	298	14.072
A1870-60880-203	8	108.46	402	16.358
A1870-61080-203	10	118.62	479	17.907
A1870-61280-203	12	127.51	555	19.329
A1870-61680-203	16	143.51	705	21.819
A1870-62080-203	20	159.00	880	24.511
A1870-62480-203	24	171.45	1027	26.492
A1870-63680-203	36	207.01	1540	32.106
A1870-65080-203	50	238.51	2140	37.080

¹No Comm. Wire in 1pr Cable

²Drain Wire in 1pr Cable is 0.35mm²

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