



DEKORON PRODUCT SPECIFICATION

INSTRUMENTATION CABLE - BLUE INTRINSICALLY SAFE

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 & Red 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:	34.5 Ω/km
L/R Ratio:	9 μH/Ω
Mutual Capacitance ³ :	100 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)
A1862-0860R-203	1	33.072	52	5.512
A1880-00280-203	2	53.646	108	8.941
A1880-00480-203	4	66.444	176	11.074
A1880-00680-203	6	77.418	235	12.903
A1880-00880-203	8	84.888	293	14.148
A1880-01080-203	10	102.258	384	17.043
A1880-01280-203	12	105.612	436	17.602
A1880-01680-203	16	117.042	544	19.507
A1880-02080-203	20	129.390	658	21.565
A1880-02480-203	24	146.76	798	24.460
A1880-03680-203	36	174.600	1085	29.100
A1880-05080-203	50	-	-	-

¹No Comm. Wire in 1tr Cable

²Drain Wire in 1tr Cable is 0.35mm²

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