RALOS

DKSH

Instrumentation & Data Cable

INST to AS/NZS 3808

High temperature PVC V90HT overall screened

Application:
RALOS instrumentation cables are manufactured to the requirement of BS50288 as well as relevant Australia standard. Suitable for the interconnection of control equipment and instrument.

Construction:
Class 2 twisted pair annealed bare copper conductor to AS/NZS 1125 class 2. V90 PVC insulation to comply with AS/NZS3808. Laminated aluminium polyester tape overall screened with stranded tinned copper 7/0.20mm drain wire. UV-stabilised and flame-retardant to IEC 60332-1 black or blue 5V90 PVC sheath.

Rated Voltage:
110/150V

Inductance:
0.5 sq/mm 1.1mH/km @ 1KHz
1.5 sq/mm 0.95mH/km @ 1KHz

Capacitance:
0.5 sq/mm 0.145uF/km @ 1KHz
1.5 sq/mm 0.20uF/km @ 1KHz

L/R Ratio:
0.5 sq/mm 0.0157 mH/Ω
1.5 sq/mm 0.0365 mH/Ω

Minimum Bending Radius:
5 x cable diameter

Temperature Range:
Fixed: -20°C to +90°C

Colour Coding:
- Pairs: black and white with continuous numbering
- Triads: black, white & red with consecutive numbering

flame retardant

uv resistant

Part No.	Nominal conductor area mm² and number of cores		Diameter of Conductor	Thickness of Insulation	Diameter of Insulation	Diameter after O-SCR	Thickness of Outer Sheath	Overall Diameter	Approx. Weight
			mm	mm	mm	mm	mm	mm	mm
INS1P0.5CSBK	0.5mm²	1 pair	0.9	0.4	1.7	3.6	0.6	4.8	32
INS2P0.5CSBK	0.5mm²	2 pair	0.9	0.4	1.7	5.8	0.7	7.2	58
INS3P0.5CSBK	0.5mm²	3 pair	0.9	0.4	1.7	6.2	0.8	7.8	78
INS4P0.5CSBK	0.5mm²	4 pair	0.9	0.4	1.7	6.9	0.8	8.5	95
INS6P0.5CSBK	0.5mm²	6 pair	0.9	0.4	1.7	8.6	0.9	10.4	136
INS8P0.5CSBK	0.5mm²	8 pair	0.9	0.4	1.7	9.4	1.1	11.6	181
INS10P0.5CSBK	0.5mm²	10 pair	0.9	0.4	1.7	11.4	1.2	13.8	229
INS12P0.5CSBK	0.5mm²	12 pair	0.9	0.4	1.7	11.8	1.2	14.2	260
INS16P0.5CSBK	0.5mm²	16 pair	0.9	0.4	1.7	13.3	1.4	16.1	343
INS20P0.5CSBK	0.5mm²	20 pair	0.9	0.4	1.7	14.6	1.6	17.8	428
INS24P0.5CSBK	0.5mm²	24 pair	0.9	0.4	1.7	16.9	1.7	20.3	516
INS36P0.5CSBK	0.5mm²	36 pair	0.9	0.4	1.7	19.7	1.8	23.3	724
INS50P0.5CSBK	0.5mm²	50 pair	0.9	0.4	1.7	23.0	1.8	26.6	961
INS1P1.5CSBK	1.5mm²	1 pair	1.5	0.4	2.3	4.8	0.7	6.2	58
INS2P1.5CSBK	1.5mm²	2 pair	1.5	0.4	2.3	7.7	0.9	9.5	112
INS3P1.5CSBK	1.5mm²	3 pair	1.5	0.4	2.3	8.3	1.0	10.3	153
INS4P1.5CSBK	1.5mm²	4 pair	1.5	0.4	2.3	9.3	1.1	11.5	197
INS6P1.5CSBK	1.5mm²	6 pair	1.5	0.4	2.3	11.5	1.2	13.9	283
INS8P1.5CSBK	1.5mm²	8 pair	1.5	0.4	2.3	12.6	1.4	15.4	371
INS10P1.5CSBK	1.5mm²	10 pair	1.5	0.4	2.3	15.3	1.4	18.1	457
INS12P1.5CSBK	1.5mm²	12 pair	1.5	0.4	2.3	15.9	1.6	19.1	546
INS16P1.5CSBK	1.5mm²	16 pair	1.5	0.4	2.3	17.9	1.6	21.1	694
INS20P1.5CSBK	1.5mm²	20 pair	1.5	0.4	2.3	19.7	1.7	23.1	851
INS24P1.5CSBK	1.5mm²	24 pair	1.5	0.4	2.3	22.8	1.8	26.4	1024
INS36P1.5CSBK	1.5mm²	36 pair	1.5	0.4	2.3	26.6	1.9	30.4	1467
INS50P1.5CSBK	1.5mm²	50 pair	1.5	0.4	2.3	31.0	2.0	35.0	1995
INS1TR0.5CSBK	0.5mm²	1 triad	0.9	0.4	1.7	3.9	0.6	5.1	40
INS4TR0.5CSBK	0.5mm²	4 triad	0.9	0.4	1.7	7.9	0.9	9.7	133
INS6TR0.5CSBK	0.5mm²	6 triad	0.9	0.4	1.7	9.8	1.1	12.0	197
INS12TR0.5CSBK	0.5mm²	12 triad	0.9	0.4	1.7	13.5	1.4	16.3	372
INS1TR1.5CSBK	1.5mm²	1 triad	1.5	0.4	2.3	5.2	0.7	6.6	75
INS4TR1.5CSBK	1.5mm²	4 triad	1.5	0.4	2.3	10.7	1.1	12.9	269
INS6TR1.5CSBK	1.5mm²	6 triad	1.5	0.4	2.3	13.2	1.3	15.8	398
INS12TR1.5CSBK	1.5mm²	12 triad	1.5	0.4	2.3	18.2	1.7	21.6	770

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