

# INSTRUMENTATION CABLE

## Overall Screened Triad Pairs LSZH



### CONSTRUCTION CONSISTING OF:

Bare copper conductors to AS1125

Flame retardant HX90 Insulation to UL style 1569

Overall screen of Al/polyester tape with tinned copper 7/0.20 stranded drain wire

Black outer sheath with flame retardant HX90 LSZH UL style 2462 (Blue Intrinsically Safe option avail)

#### 0.5mm<sup>2</sup>

Part No	Triples	Conductor No/Dia (mm)	Insulation thickness (mm)	Nom. Overall Diameter (mm)	Conductor Resistance @ 20c Ohm/km	Approximate weight (kg/km)
0.5MM1TR	1	7/0.30	0.4	5.2	38.4	36
0.5MM2TR	2	7/0.30	0.4	7.8	38.4	70
0.5MM3TR	3	7/0.30	0.4	8.9	38.4	84
0.5MM4TR	4	7/0.30	0.4	9.2	38.4	120
0.5MM6TR	6	7/0.30	0.4	11.3	38.4	179
0.5MM8TR	8	7/0.30	0.4	12.2	38.4	225
0.5MM10TR	10	7/0.30	0.4	14.6	38.4	290
0.5MM12TR	12	7/0.30	0.4	15.5	38.4	348
0.5MM16TR	16	7/0.30	0.4	17.1	38.4	442
0.5MM20TR	20	7/0.30	0.4	18.6	38.4	543
0.5MM24TR	24	7/0.30	0.4	21.3	38.4	653
0.5MM36TR	36	7/0.30	0.4	24.4	38.4	936

Intrinsically Safe version – add BLUE to part number

#### 1.5mm<sup>2</sup>

Part No	Triples	Conductor No/Dia (mm)	Insulation thickness (mm)	Nom. Overall Diameter (mm)	Conductor Resistance @ 20c Ohm/km	Approximate weight (kg/km)
1.5MM1TR	1	7/0.50	0.4	6.5	13.8	67
1.5MM2TR	2	7/0.50	0.4	10	13.8	135
1.5MM3TR	3	7/0.50	0.4	10.9	13.8	201
1.5MM4TR	4	7/0.50	0.4	11.8	13.8	237
1.5MM6TR	6	7/0.50	0.4	14.5	13.8	352
1.5MM8TR	8	7/0.50	0.4	16	13.8	463
1.5MM10TR	10	7/0.50	0.4	19.1	13.8	589
1.5MM12TR	12	7/0.50	0.4	19.7	13.8	683
1.5MM16TR	16	7/0.50	0.4	22.5	13.8	946
1.5MM20TR	20	7/0.50	0.4	24.3	13.8	1153
1.5MM24TR	24	7/0.50	0.4	27.7	13.8	1374
1.5MM36TR	36	7/0.50	0.4	32	13.8	2014

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# INSTRUMENTATION CABLE

## Individual & Overall Screened Triad Cable LSZH



### CONSTRUCTION CONSISTING OF:

Bare copper conductors to AS1125

Flame retardant HX90 Insulation to UL style 1569

Individual screen of Al/polyester tape with tinned copper 7/0.20 stranded drain wire

Overall screen of Al/polyester tape with tinned copper 7/0.20 stranded drain wire

Black outer sheath with flame retardant HX90 LSZH UL style 2462 (Blue Intrinsically Safe option avail)

#### 0.5mm²

Part No	Triples	Conductor No/Dia (mm)	Insulation thickness (mm)	Nom. Overall Diameter (mm)	Conductor Resistance @ 20c Ohm/km	Approximate weight (kg/km)
0.5MM2TRES	2	7/0.30	0.4	8.3	38.4	78
0.5MM3TRES	3	7/0.30	0.4	8.8	38.4	103
0.5MM4TRES	4	7/0.30	0.4	9.8	38.4	135
0.5MM6TRES	6	7/0.30	0.4	12.1	38.4	201
0.5MM8TRES	8	7/0.30	0.4	13.3	38.4	259
0.5MM10TRES	10	7/0.30	0.4	15.7	38.4	326
0.5MM12TRES	12	7/0.30	0.4	16.2	38.4	377
0.5MM16TRES	16	7/0.30	0.4	18.3	38.4	498
0.5MM20TRES	20	7/0.30	0.4	19.3	38.4	599
0.5MM24TRES	24	7/0.30	0.4	23.1	38.4	748
0.5MM36TRES	36	7/0.30	0.4	26.3	38.4	1058

Intrinsically Safe version – add BLUE to part number

#### 1.5mm²

Part No	Triples	Conductor No/Dia (mm)	Insulation thickness (mm)	Nom. Overall Diameter (mm)	Conductor Resistance @ 20c Ohm/km	Approximate weight (kg/km)
1.5MM2TRES	2	7/0.50	0.4	10.9	13.8	152
1.5MM3TRES	3	7/0.50	0.4	11.8	13.8	212
1.5MM4TRES	4	7/0.50	0.4	12.9	13.8	269
1.5MM6TRES	6	7/0.50	0.4	15.8	13.8	399
1.5MM8TRES	8	7/0.50	0.4	17.5	13.8	525
1.5MM10TRES	10	7/0.50	0.4	20.9	13.8	668
1.5MM12TRES	12	7/0.50	0.4	21.5	13.8	776
1.5MM16TRES	16	7/0.50	0.4	24.1	13.8	1011
1.5MM20TRES	20	7/0.50	0.4	26	13.8	1233
1.5MM24TRES	24	7/0.50	0.4	29.7	13.8	1470
1.5MM36TRES	36	7/0.50	0.4	34.4	13.8	2154

Intrinsically Safe version – add BLUE to part number

# INSTRUMENTATION CABLE

## Overall Screened SWA Triad Cable LSZH



### CONSTRUCTION CONSISTING OF:

Bare copper conductors to AS1125

Flame retardant HX90 Insulation to UL style 1569

Overall screen of Al/polyester tape with tinned copper 7/0.20 stranded drain wire

Black flame retardant HX90 inner sheath to UL style 2464

Steel wire armour

Black outer sheath with flame retardant HX90 LSZH UL style 2462 (Blue Intrinsically Safe option avail)

0.5mm<sup>2</sup>

Part No	Triples	Conductor No/Dia (mm)	Insulation thickness (mm)	Overall diameter over bedding (mm)	Steel wire Armour diameter (mm)	Overall diameter over armour (mm)	Overall Diameter (mm)	Conductor Resistance @ 20c Ohm/km	Approximate weight (kg/km)
0.5MM1TRSWA	1	7/0.30	0.4	5.9	0.9	7.7	10.6	38.4	239
0.5MM2TRSWA	2	7/0.30	0.4	8.1	0.9	9.9	12.8	38.4	329
0.5MM3TRSWA	3	7/0.30	0.4	8.5	0.9	10.3	13.2	38.4	356
0.5MM4TRSWA	4	7/0.30	0.4	9.3	0.9	10.5	14	38.4	399
0.5MM6TRSWA	6	7/0.30	0.4	11.4	0.9	11.1	16.3	38.4	517
0.5MM8TRSWA	8	7/0.30	0.4	12.3	0.9	13.2	17.2	38.4	585
0.5MM10TRSWA	10	7/0.30	0.4	14.3	0.9	14.1	19.4	38.4	697
0.5MM12TRSWA	12	7/0.30	0.4	14.8	0.9	16.1	20.3	38.4	770
0.5MM16TRSWA	16	7/0.30	0.4	16.4	0.9	18.2	21.9	38.4	903
0.5MM20TRSWA	20	7/0.30	0.4	17.7	0.9	19.5	23.2	38.4	1028
0.5MM24TRSWA	24	7/0.30	0.4	20.2	1.25	22.7	26.4	38.4	1363
0.5MM36TRSWA	36	7/0.30	0.4	23.5	1.25	26	30.1	38.4	1785

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1.5mm<sup>2</sup>

Part No	Triples	Conductor No/Dia (mm)	Insulation thickness (mm)	Overall diameter over bedding (mm)	Steel wire Armour diameter (mm)	Overall diameter over armour (mm)	Overall Diameter (mm)	Conductor Resistance @ 20c Ohm/km	Approximate weight (kg/km)
1.5MM1TRSWA	1	7/0.50	0.4	7	0.9	8.8	11.7	13.8	303
1.5MM2TRSWA	2	7/0.50	0.4	9.9	0.9	11.7	14.6	13.8	437
1.5MM3TRSWA	3	7/0.50	0.4	10.9	0.9	12.8	15.8	13.8	520
1.5MM4TRSWA	4	7/0.50	0.4	11.9	0.9	13.7	16.8	13.8	609
1.5MM6TRSWA	6	7/0.50	0.4	14.2	0.9	16	19.3	13.8	784
1.5MM8TRSWA	8	7/0.50	0.4	15.3	0.9	17.1	20.8	13.8	935
1.5MM10TRSWA	10	7/0.50	0.4	18	1.25	20.5	24.2	13.8	1119
1.5MM12TRSWA	12	7/0.50	0.4	18.6	1.25	21.1	24.8	13.8	1401
1.5MM16TRSWA	16	7/0.50	0.4	20.7	1.25	23.2	27	13.8	1680
1.5MM20TRSWA	20	7/0.50	0.4	22.9	1.25	25.4	29.3	13.8	1986
1.5MM24TRSWA	24	7/0.50	0.4	26.4	1.6	29.6	33.7	13.8	2577
1.5MM36TRSWA	36	7/0.50	0.4	30.2	1.6	33.4	37.9	13.8	3379

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## Individual & Overall Screened SWA Triad LSZH



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Overall screen of Al/polyester tape with tinned copper 7/0.20 stranded drain wire

Black flame retardant HX90 inner sheath to UL style 2464

Steel wire armour

Black outer sheath with flame retardant HX90 LSZH UL style 2462 (Blue Intrinsically Safe option avail)

0.5mm<sup>2</sup>

Part No	Triples	Conductor No/Dia (mm)	Insulation thickness (mm)	Overall diameter over bedding (mm)	Steel wire Armour diameter (mm)	Overall diameter over armour (mm)	Overall Diameter (mm)	Conductor Resistance @ 20c Ohm/km	Approximate weight (kg/km)
0.5MM2TRSWAES	2	7/0.30	0.4	8.6	0.9	10.4	13.3	38.4	344
0.5MM3TRSWAES	3	7/0.30	0.4	9.1	0.9	10.9	13.8	38.4	382
0.5MM4TRSWAES	4	7/0.30	0.4	9.9	0.9	11.7	14.6	38.4	429
0.5MM6TRSWAES	6	7/0.30	0.4	12	0.9	13.8	16.9	38.4	548
0.5MM8TRSWAES	8	7/0.30	0.4	13.2	0.9	15	18.1	38.4	635
0.5MM10TRSWAES	10	7/0.30	0.4	15.4	0.9	17.2	20.7	38.4	768
0.5MM12TRSWAES	12	7/0.30	0.4	15.9	0.9	17.7	21.9	38.4	830
0.5MM16TRSWAES	16	7/0.30	0.4	17.6	0.9	19.4	23.1	38.4	989
0.5MM20TRSWAES	20	7/0.30	0.4	19.1	0.9	20.9	25.7	38.4	1130
0.5MM24TRSWAES	24	7/0.30	0.4	21.8	1.25	24.3	29.5	38.4	1507
0.5MM36TRSWAES	36	7/0.30	0.4	25.4	1.25	27.9	34.9	38.4	1949

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Part No	Triples	Conductor No/Dia (mm)	Insulation thickness (mm)	Overall diameter over bedding (mm)	Steel wire Armour diameter (mm)	Overall diameter over armour (mm)	Overall Diameter (mm)	Conductor Resistance @ 20c Ohm/km	Approximate weight (kg/km)
1.5MM2TRSWAES	2	7/0.50	0.4	10.8	0.9	12.6	15.5	13.8	463
1.5MM3TRSWAES	3	7/0.50	0.4	11.7	0.9	13.5	16.6	13.8	551
1.5MM4TRSWAES	4	7/0.50	0.4	13	0.9	14.8	17.9	13.8	646
1.5MM6TRSWAES	6	7/0.50	0.4	15.5	0.9	17.3	20.6	13.8	834
1.5MM8TRSWAES	8	7/0.50	0.4	16.8	0.9	18.6	22.3	13.8	996
1.5MM10TRSWAES	10	7/0.50	0.4	19.8	0.9	21.6	25.3	13.8	1195
1.5MM12TRSWAES	12	7/0.50	0.4	20.4	1.25	22.9	26.6	13.8	1493
1.5MM16TRSWAES	16	7/0.50	0.4	22.8	1.25	25.3	29.2	13.8	1799
1.5MM20TRSWAES	20	7/0.50	0.4	25.1	1.25	27.6	31.5	13.8	2118
1.5MM24TRSWAES	24	7/0.50	0.4	29	1.6	32.3	36.3	13.8	2748
1.5MM36TRSWAES	36	7/0.50	0.4	33.3	1.6	38.3	42.8	13.8	4356

Intrinsically Safe version – add BLUE to part number