

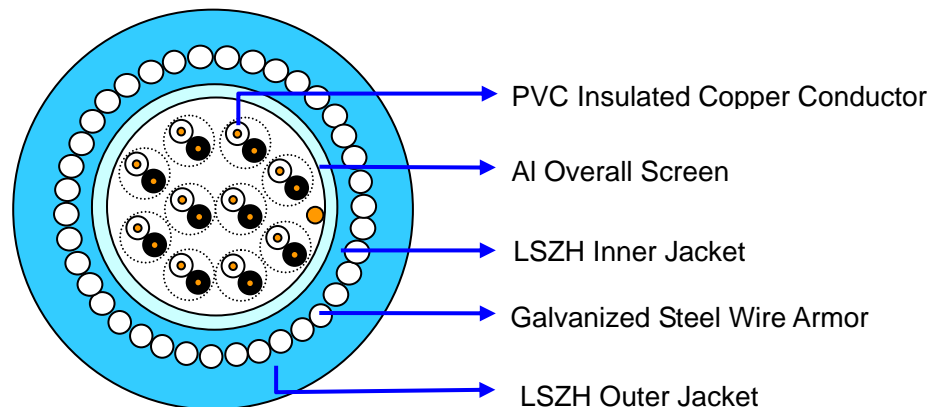


BS5308 Part2 Type 2 IEC60332-3A 300/500V PVC Insulated Overall Screen LSZH Inner Jacket Steel Wire Armored LSZH Jacket Cable

Application:

Instrumentation cables are multi conductor cables which convey low energy electrical signals used for monitoring or controlling electrical power systems and their associated processes. Instrumentation cables convey signals from process monitors to process analyzers (usually electronics equipment) and from the analyzers to control equipment in the electric power system..

Construction:



Conductor: Annealed copper wire conductors to BS 6360, class 2 or class 5 (stranded).

Insulation: Conductors are insulated with a layer of extruded normal PVC.

Pair color: Black, Blue

Triad color: Black, Blue, Brown

Collective screen: Aluminium/p.e.t.p. laminated tape applied with the metallic side down in electrical contact with a 0.5mm 2 tinned copper drain wire over the p.e.t.p. binder tape.

Inner Sheathing: An inner layer of extruded LSZH is applied over the cable core. Color: Blue

Armor: Galvanized steel wire

Outer Sheathing: An outer protection of extruded LSZH compound is applied over the armour. Color: Blue.



Standard: BS5308, IEC60332-3A

Packing: The cables are delivered on non-returnable wood drums.

Technical Information:

		Unit	Conductor size				
			0.5mm 2	0.75mm 2	1.0mm 2	1.5mm 2	2.5mm 2
			(16/0.2mm)	(7/0.37mm)	(7/0.43mm)	(7/0.53 mm)	(7/0.67mm)
Conductor resistance	max.	Ω/Km	39.7	25	18.5	12.2	7.44
Insulation resistance	max.	GΩxKm	5	5	5	5	5
Mutual capacitance at kH	max.	pF/m	115	115	115	115	115
-One pair and two pair(Quad)cables with collective screen and all			75	75	75	75	85
cables with individually screened pairs							
-Cables with only collective screen except one pair and two pair(Quad)							
Capacitance unbalance at 1 kHz	max.	pF/250m	250	250	250	250	250
Inductance/resistance ratio(L/R)	max.	μH/Ω	25	25	25	25	25
Test voltage(Core:core)		V	1000	1000	1000	1000	1000
(Core:core)		V	1000	1000	1000	1000	1000
Rated voltage	max.	v	300/500	300/500	300/500	300/500	300/500



Cable Size:

Paired Overall screen type

Conductor	Number of Pairs	Nominal Dia under Armour (mm)	Nominal Overall Dia (mm)	Armour Wire Dia (mm)	Approx Weight (kg/km)
0.5mm 2	1	6.8	11.2	0.9	250
	2(Quad)	7.7	12.1	0.9	300
	5	12.5	17.3	0.9	560
	7	14.4	19.4	1.0	760
	10	17.1	22.8	1.25	970
	20	20.8	27.6	1.6	1640
	30	25.4	32.4	1.6	2110
0.75mm 2	1	7.2	11.6	0.9	280
	2(Quad)	8.2	12.8	0.9	330
	5	13.8	19.3	1.25	750
	7	15.9	21.4	1.25	960
	10	18.6	25.2	1.6	1260
	20	22.9	29.7	1.6	1890
	30	27.8	36.0	1.6	2440
1.0mm 2	1	7.6	12.2	0.9	290
	2(Quad)	8.6	13.2	0.9	345
	5	14.6	20.3	1.25	790
	7	16.6	22.3	1.25	980
	10	19.7	25.8	1.25	1310
	20	24.5	31.7	1.6	2040
	30	30.1	37.5	1.6	2640
1.5mm 2	1	8.4	13.0	0.9	330
	2(Quad)	9.6	14.2	0.9	420
	5	16.3	22.0	1.25	940
	7	18.1	23.8	1.25	980
	10	21.8	28.6	1.6	1050
	20	27.0	34.2	1.6	2400
	30	33.0	41.2	1.6	3120

Triad Overall Screen Cable



Caledonian

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Conductor	Number of Triads	Nominal Dia under Armour (mm)	Nominal Overall Dia (mm)	Armour Wire Dia (mm)	Approx Weight (kg/km)
1.0mm ²	1	6.8	11.8	0.9	298
	2	7.8	16.7	0.9	528
	4	14.3	27.0	1.25	694
	5	15.2	27.6	1.25	765
	6	16.7	28.4	1.25	941
	7	17.6	30.4	1.25	1060
	8	18.6	32.8	1.6	1162
	1.5mm ²	1	7.6	13.1	0.9
2		13.2	18.2	0.9	593
4		22.7	29.6	1.25	891
5		25.7	31.8	1.25	1120
6		28.2	33.9	1.25	1242
7		28.9	34.8	1.25	1292
8		29.6	36.4	1.6	1358

The data included in the present catalogue are merely indicative; Caledonian Cables Limited reserves to itself the right to change them as its own discretion in any time.