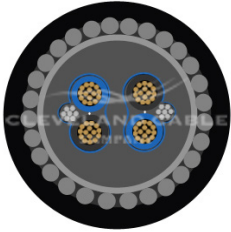


TYPE 2 ARMoured INSTRUMENTATION LSZH CAT CABLE



APPLICATION

Manufactured to PAS5308, Instrumentation cables are intrinsically safe and designed for use in communication and instrumentation applications in and around process industries for transmission of signals in control systems. The signals can be analogue or digital from a variety of sensors and transducers.

CABLE STANDARDS

PAS5308 part 1
IEC 60332-3-22

CONSTRUCTION

Conductor: Plain Annealed Copper Conductors

Insulation: Polyethylene (PET)

Laid up to form pairs

Screen: Collective aluminium / mylar tape screen complete with 0.5mm drain wire

Bedding: Low Smoke Zero Halogen (LSZH)

Armour: Galvanised Steel Wire

Sheath: Low Smoke Zero Halogen (LSZH)

Sheath Colour:  Blue or  Black

CHARACTERISTICS

Voltage Rating: 300/500 Volts

Temperature Limits: -20°C +65°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

For Part 1 cables: Refer to Part 1 colour chart on page 3

PAS 5308 TYPE 2 ARMOURED LSZH CAT CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO. OF PAIRS	WEIGHT (KG/KM)	OVERALL DIAMETER	GLAND SIZE (MM)	NYLON CLEAT SIZE
PART 1							
72718	0.5	16/0.2	1	242	10.8	20/16	0.5
72719	0.5	16/0.2	2	288	11.7	20S	0.5
72720BK	0.5	16/0.2	5	535	17.3	20	0.7
72721BK	0.5	16/0.2	10	868	22.3	25	0.9
72722BK	0.5	16/0.2	20	1466	28.5	32	1.2
7255	0.75	24/0.20	1	270	10.7	20/16	0.5
7256	0.75	24/0.20	2	330	11.9	20S	0.5
7257	0.75	24/0.20	5	719	18.8	20	0.8
7258	0.75	24/0.20	10	1150	24.3	25	1
7259	0.75	24/0.20	20	1704	30.3	32	1.2
7260	0.75	24/0.2	30	2570	36.9	40	1.6
7261	0.75	24/0.2	50	4400	46.4	50S	2.0
72362	0.75	24/0.2	1 Triple	288	11.4	20S	0.5
7289	1.5	7/0.53	1	312	11.9	20S	0.5
7290	1.5	7/0.53	2	397	13.3	20S	0.6
7291	1.5	7/0.53	5	918	21.1	25	0.9
7292	1.5	7/0.53	10	1466	27.4	32	1.1
7293	1.5	7/0.53	20	2519	35.5	40	1.4
7496	1.5	7/0.53	1 Triple	357	12.6	20S	0.5
7308	2.5	7/0.67	1	395	13.1	20S	0.6
7309	2.5	7/0.67	2	490	15.9	20	0.6
7310	2.5	7/0.67	5	1430	26.5	20	1.1

PAS 5308 TYPE 2 LSZH ICAT CABLE – CONDUCTOR RESISTANCE

NOMINAL CROSS SECTIONAL AREA (MM ²)	CONDUCTOR CLASS	MAXIMUM RESISTANCE CONDUCTOR AT 20°C Ω/KM
0.5	5	39
0.75	5	26
1	1	18.1
1.5	2	12.1

PAS 5308 TYPE 2 – CURRENT CAPACITY

NOMINAL CROSS SECTIONAL AREA (MM ²)	CONDUCTOR CLASS			MINIMUM INSULATION RESISTANCE AT 20°C MOHMS/KM	MAXIMUM L/R RATIO MH/OHMS
	CABLES WITH COLLECTIVE SCREEN ONLY	1 PAIR, 2 PAIRS, 1 TRIPLE COLLECTIVELY SCREENED	CABLES WITH INDIVIDUALLY SCREENED PAIRS		
0.5	75	115	115	>5	25
0.75	75	115	115	>5	25
1	75	115	115	>5	25
1.5	85	120	120	>5	40

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS.

PAS 5308 INSTRUMENT CABLE - PAIR COLOUR CHARTS

PART 1 PAIR COLOURS					
PAIR	A	B	PAIR	A	B
1	Black	Blue	26	White	Yellow
2	Black	Green	27	Red	Yellow
3	Blue	Green	28	Orange	Yellow
4	Black	Brown	29	Black	Grey
5	Blue	Brown	30	Blue	Grey
6	Green	Brown	31	Green	Grey
7	Black	White	32	Brown	Grey
8	Blue	White	33	White	Grey
9	Green	White	34	Red	Grey
10	Brown	White	35	Orange	Grey
11	Black	Red	36	Yellow	Grey
12	Blue	Red	37	Black	Violet
13	Green	Red	38	Blue	Violet
14	Brown	Red	39	Green	Violet
15	White	Red	40	Brown	Violet
16	Black	Orange	41	White	Violet
17	Blue	Orange	42	Red	Violet
18	Green	Orange	43	Orange	Violet
19	Brown	Orange	44	Yellow	Violet
20	White	Orange	45	Grey	Violet
21	Red	Orange	46	Black	Turquoise
22	Black	Yellow	47	Blue	Turquoise
23	Blue	Yellow	48	Green	Turquoise
24	Green	Yellow	49	Brown	Turquoise
25	Brown	Yellow	50	White	Turquoise

- FOR INDIVIDUAL SCREENED PAIRS, IDENTIFICATION WILL BE BLACK/BLUE NUMBERED PAIRS.
- TWO PAIR COLLECTIVELY SCREENED CABLES ARE IN QUAD FORMATION COLOUR CODED IN ROTATION, BLACK, BLUE, GREEN, BROWN.
- SINGLE TRIPLE WILL BE BLUE , BLACK, GREEN