



LINNET INSTRUMENTATION CABLE TO BS5308 PART 2

CONSTRUCTION

- > Conductor
- > Insulation
- > Twining
- > Pair Screen
- > Lay-up
- > Wrapping
- > Screen
- > Sheath

Bare annealed soft copper wire to BS EN 60228:2005
 PVC to BS 7655
 Two cores twisted together to form a pair
 Optional, Laminated screen tape with Tinned drain wire
 Pairs are laid up together to make concentric layers
 Polyester Tape is used for cable core wrapping
 Laminated screen tape with drain wire underneath outer protection
 PVC or LSHF (Low Smoke Halogen Free) optional

- Type 1 Cable Sheath PVC to BS 7655
- Type 2 Cable Bedding PVC to BS 7655
- Armour Galvanized steel wire to BS EN 10257-1:1998
- Sheath PVC to BS 7655

PHYSICAL PROPERTIES

- > Operating Temp. -20...+70°C
- > Insulation Resistance 25 MΩ/KM (Min.)
- > Max. Voltage 300/500 V
- > Capacitance unbalance 250 pf/250m Max.
- > Test Voltage 1000 V r.m.s between conductor and screen

CONDUCTOR DIAMETER MM (NOMINAL)	CLASS	RESISTANCE Ω/KM @ 20°C	INSULATED DIAMETER MM (NOMINAL)	MAX L/R RATIO
16/0.2	5	39.7	2.35	25
24/0.2	5	26.5	2.55	25
7/0.53	2	12.3	3.00	40

CABLE DIAMETERS

NO. OF PAIRS	CONDUCTOR SIZE	CONDUCTOR CROSS SECTIONAL AREA MM²	NOMINAL DIAMETER OVER BEDDING (TYPE 1 CABLE) MM	NOMINAL ARMOURING WIRE DIAMETER MM	NOMINAL DIAMETER OVERALL (TYPE 2 CABLE) MM
2 Pair (Quad)	16/0.2	0.5	6.9	0.9	11.3
5 Pair	16/0.2	0.5	12.1	0.9	16.9
10 Pair	16/0.2	0.5	16.2	1.25	18.8
20 Pair	16/0.2	0.5	21.5	1.6	28.1
2 Pair (Quad)	24/0.2	0.75	7.3	0.9	11.9
5 Pair	24/0.2	0.75	13.3	1.25	18.8
10 Pair	24/0.2	0.75	17.7	1.6	24.3
20 Pair	24/0.2	0.75	23.5	1.6	30.3

COLOUR CODE FOR INSULATION

PAIR NO.	A-WIRE	B-WIRE	PAIR NO.	A-WIRE	B-WIRE	PAIR NO.	A-WIRE	B-WIRE	PAIR NO.	A-WIRE	B-WIRE	PAIR NO.	A-WIRE	B-WIRE
1	White	Blue	11	Black	Blue	21	Wh-Blue	Blue	31	Blue-Bk	Blue	41	Wh-Orange	Blue
2	White	Orange	12	Black	Orange	22	Wh-Blue	Orange	32	Blue-Bk	Orange	42	Wh-Orange	Orange
3	White	Green	13	Black	Green	23	Wh-Blue	Green	33	Blue-Bk	Green	43	Wh-Orange	Green
4	White	Brown	14	Black	Brown	24	Wh-Blue	Brown	34	Blue-Bk	Brown	44	Wh-Orange	Brown
5	White	Grey	15	Black	Grey	25	Wh-Blue	Grey	35	Blue-Bk	Grey	45	Wh-Orange	Grey
6	Red	Blue	16	Yellow	Blue	26	Red-Blue	Blue	36	Yellow-Blue	Blue	46	Orange-Red	Blue
7	Red	Orange	17	Yellow	Orange	27	Red-Blue	Orange	37	Yellow-Blue	Orange	47	Orange-Red	Orange
8	Red	Green	18	Yellow	Green	28	Red-Blue	Green	38	Yellow-Blue	Green	48	Orange-Red	Green
9	Red	Brown	19	Yellow	Brown	29	Red-Blue	Brown	39	Yellow-Blue	Brown	49	Orange-Red	Brown
10	Red	Grey	20	Yellow	Grey	30	Red-Blue	Grey	40	Yellow-Blue	Grey	50	Orange-Red	Grey

CONNECT WITH CONFIDENCE LINNET™

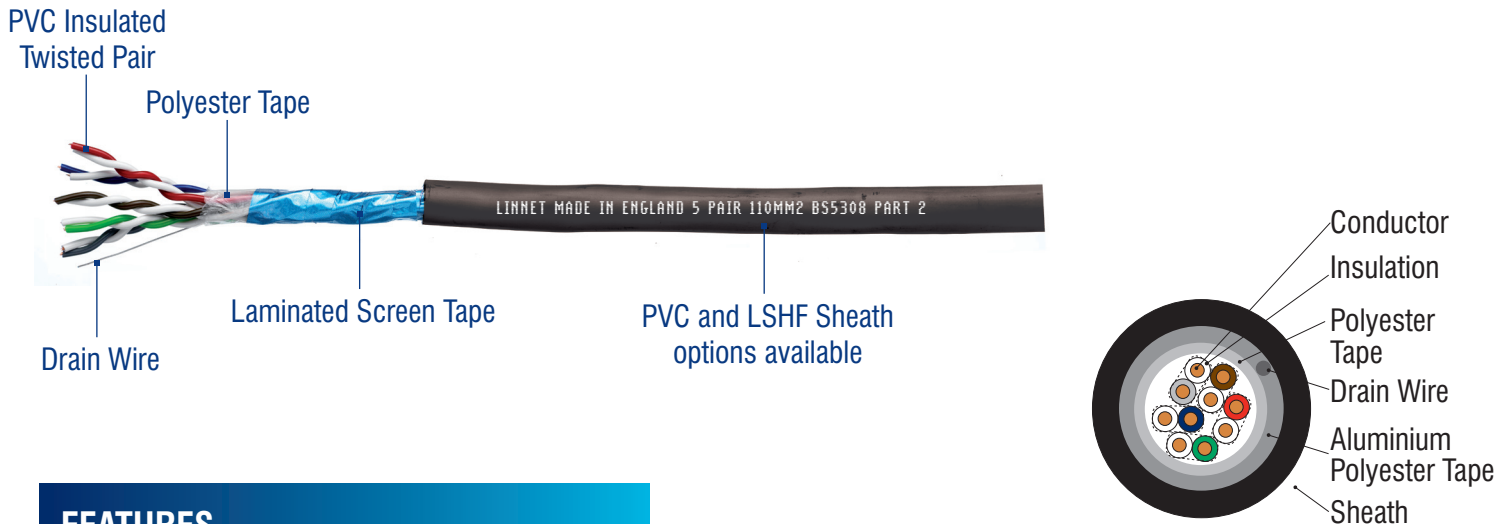
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LINNET INSTRUMENTATION CABLE TO BS5308 PART 2



FEATURES

- ✓ Generally used for Chemical and Petrochemical industry
- ✓ Suitable for voice and data services.
- ✓ Suitable for Industrial process manufacturing for transmission signal and services
- ✓ Used for interconnection of control panels with associated controllers, Electrical Equipment and other instrumentation
- ✓ Generally complies to BS5308:Part 2

APPLICATIONS

LINNET Instrumentation Cables are designed for use in Chemical and Petrochemical industry. These cable generally used in manufacturing plants as interconnection between electrical equipment and instruments particularly where transducer generated signals are transmitted to panels, controllers and other devices.

Type 1 (Unarmoured) cables are generally used for indoor application.
Type 2 (Armoured) cables are suitable for burial underground

- MADE IN ENGLAND CABLES
- ISO 9001 CERTIFIED COMPANY
- ROHS COMPLIANT PRODUCT

CONNECT WITH CONFIDENCE
WWW.LINNETUK.CO.UK



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