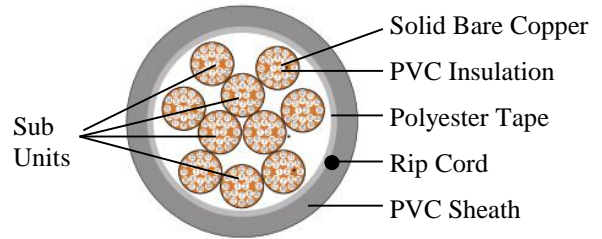


Part # 990501 - 990527

LINNET Indoor Telephone Cable (Bare Copper)



Manufacturer: LINNET (UK) LIMITED, ENGLAND

Origin: MADE IN ENGLAND

LINNET Indoor Telephone cables have been designed and manufactured in the UK to British and International standards.

Description

0.5 mm Solid annealed bare copper conductors, PVC insulation, Twisted Pairs, Polyester tape, PVC Sheath with rip cord.

Application

These cables are suitable for installation in premises/building for use with Binary Number System, Customer distribution schemes and with Pulse Code Modulation (PCM) depending on the following methods of construction:

- Layer Construction- For general installation in customer's premises where good appearance is required
- 16 Pair Unit construction- For use with Binary number system
- 20 Pair Unit construction- For use with customer distribution schemes
- 30 Pair Unit construction- For use with Pulse Code Modulation (PCM) System

Construction

Conductor: 0.5 mm Solid annealed bare Copper to British Standard BS EN 60228.
Insulation: Conductors are uniformly insulated with PVC to BS EN 50290-2-21. Insulation Colour code as per table 1.
Twinning: Two insulated conductors are twisted together to form a pair*.
Lay-up: Required number of pairs are assembled together as per Table 2 to form a cable core
Wrap: A polyester tape wrapping is provided on cable core for 8 pair and above cable sizes
Sheath: The cable is sheathed with PVC to BS EN 50290-2-22. A rip cord is provided for easy stripping of cable

Table 1: Insulation Colour Code

Pr. No	Colour of Insulation		Pr. No	Colour of Insulation		Pr. No	Colour of Insulation	
	A Wire	B Wire		A Wire	B Wire		A Wire	B Wire
1	WHITE-Blue	BLUE-White	11	BLACK-Blue	BLUE -Black	21	VIOLET-Blue	BLUE-Violet
2	WHITE-Orange	ORANGE-White	12	BLACK-Orange	ORANGE-Black	22	VIOLET-Orange	ORANGE-Violet
3	WHITE-Green	GREEN-White	13	BLACK-Green	GREEN-Black	23	VIOLET-Green	GREEN-Violet
4	WHITE-Brown	BROWN-White	14	BLACK-Brown	BROWN-Black	24	VIOLET-Brown	BROWN-Violet
5	WHITE-Grey	GREY-White	15	BLACK-Grey	GREY-Black	25	VIOLET-Grey	GREY-Violet
6	RED-Blue	BLUE-Red	16	YELLOW-Blue	BLUE-Yellow	26	PINK-Blue	BLUE-Pink
7	RED-Orange	ORANGE-Red	17	YELLOW-Orange	ORANGE-Yellow	27	PINK-Orange	ORANGE-Pink
8	RED-Green	GREEN-Red	18	YELLOW-Green	GREEN-Yellow	28	PINK-Green	GREEN-Pink
9	RED-Brown	BROWN-Red	19	YELLOW-Brown	BROWN-Yellow	29	PINK-Brown	BROWN-Pink
10	RED-Grey	GREY-Red	20	YELLOW-Grey	GREY-Yellow	30	PINK-Grey	GREY-Pink

Note: Base colours are indicated by use of Capital letters and the colour of ring markings applied on them are indicated by small letters

* 2 pair is quad construction



Cable Properties:

Conductor Resistance (Max): 97.8 Ω/Km Elongation (Min): 15% Capac. Unbalance (Max): 500Pf/Km

Table 2:- MAKE-UP AND DIMENSIONS FOR CABLE LAYER/UNITS

No. of Pair	Cabling Element	Size of Unit or Layer	Overall Diameter, MM (Max)	Part Number
1 Pair	1	Layer	3.3	990501
2 Pair	Quad	Layer	4.0	990502
3 Pair	1-3	Layer	5.3	990503
4 Pair	1-4	Layer	5.8	990504
5 Pair	1-5	Layer	6.4	990505
6 Pair	1-6	Layer	6.8	990506
8 Pair	1-8	Layer	7.6	990507
10 Pair	1-10	Layer	8.3	990508
12 Pair	1-12	Layer	9.1	990509
15 Pair	1-15	Layer	9.8	990510
16 Pair	1-16	Layer	10.0	990511
16 Pair	1-4, 6-9, 11-14,16-20	Layer	10.0	990512
20 Pair	1-20	Layer	10.7	990513
25 Pair	1-25	Layer	11.4	990514
30 Pair	1-30	Layer	12.2	990515
32 Pair	1-4, 6-9, 11-14,16-20	16	12.7	990516
40 Pair	1-20	20	14.2	990517
50 Pair	1-20	20	15.7	990518
60 Pair	1-20	20	16.3	990519
64 Pair	1-4, 6-9, 11-14,16-20	16	16.6	990520
100 Pair	1-20	20	22.6	990522
200 Pair	1-20	20	33.1	990527

Note: Other cable sizes are available on request

Table 3:- MAKE-UP AND UNIT IDENTIFICATION (BINDER COLOURS) – 16/20/30 PAIR UNIT

Pair	8/10	16/20/30	32/40	50	60	64/80/120	100/150	200
Centre	1 x ½ Unit	1 Unit	4 x ½ Unit	5 x ½ Unit	1 Unit	1 Unit	1 Unit	2 Unit
1 st					4 x ½ Unit	6 x ½ Unit	8 x ½ Unit	8 Unit
2 nd							***	
1	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange
2			Green	Natural/White	Orange	Orange	Orange	Green
3				Green**	Green	Natural/White	Natural/White	Orange
4						Green	Natural/White	Natural/White
5							Green	Natural/White
6								Natural/White
7								Natural/White
8								Natural/White
9								Natural/White
10								Green

½ Unit- ½ unit refers to sub-unit of 8,10 or 15 pair to be used to make required number of pairs for the cable

** The Green colour binder shall be applied to the last ½ unit

*** At the manufacturer discretion the first layer may be 4 units

Operating Temperature: -20°C to +70°C

Bending Radius: 6 X Cable diameter

Voltage: 80V

Note: The above data sheet is for indicative guidance purpose only. Information on this data sheet is subject to change without notice. E&OE.

November 15