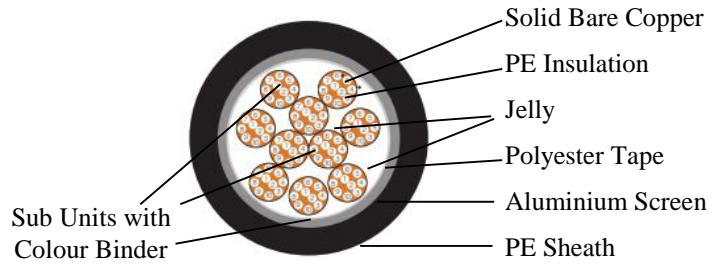


Part # 985021 - 985091

LINNET Jelly Filled, Screened Outdoor Telephone Cable



Manufacturer: LINNET (UK) LIMITED, ENGLAND

Origin: MADE IN ENGLAND

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

Description

Solid annealed bare copper conductors, Polyethylene insulation, Twisted Pairs, Jelly filled, Polyester tape, Aluminium / Polymer coated moisture barrier tape/screen, Black UV resistant Polyethylene Sheath.

Application

LINNET Outdoor Jelly Filled Telephone cables are suitable for primary and secondary underground distribution networks. These cables are designed for installation in ducts in telecom networks. The cable is supplied with Aluminium/Polymer coated tape/screen applied longitudinally over the cable core which acts as a moisture barrier. The screen provides protection against electrical interference as well.

Construction

- Conductor:** Solid annealed bare copper to British Standard BS EN 60228.
- Insulation:** Conductors are insulated with PE to BS EN 50290-2-23. Insulation Colour code as per table 1. Conductor and Insulation properties as per table 2.
- Twinning:** Two insulated conductors are twisted together to form a pair.
- Lay-up:** Required no. of pairs are laid up with water blocking jelly to form a cable core or sub unit of 5 or 10 pairs. Binder colours as per table 3.
- Stranding:** Required no. of subunits are stranded together to form cable core. The cable core is wrapped with polyester tape
- Screen:** An Aluminium/Polymer coated moisture barrier tape/screen is provided longitudinally.
- Sheath:** The cable is sheathed with Polyethylene to BS EN 50290-2-24. Cable make-up and dimensions as per table 4.

Table 1: Insulation Colour Code

Pr. No	Colour of Insulation		Pr. No	Colour of Insulation	
	A Wire	B Wire		A Wire	B Wire
1	White	Blue	6	Red	Blue
2	White	Orange	7	Red	Orange
3	White	Green	8	Red	Green
4	White	Brown	9	Red	Brown
5	White	Grey	10	Red	Grey

Table 2: Conductor and insulation properties

Conductor Diameter	Resistance	Mutual Capacitance	Conductor Elongation
Nominal (mm)	$\Omega/\text{km} @ 20^\circ\text{C}$	nF/km	% (Minimum)
0.5	95	56	15
0.63	58	56	15
0.9	28	59	15



Table 3: Unit identification (Binder colours)

Unit no.	Binder Colour	Unit no.	Binder Colour
1	Blue	6	White
2	Orange	7	Red
3	Green	8	Black
4	Brown	9	Yellow
5	Grey	10	Violet

Table 4: Cable Make-up and dimensions

No. of Pair	Cabling Element	Size of Unit/Layer	Overall Diameter, mm (Maximum)	Part Number
0.5 mm Conductors				0.5 mm Cable
2 Pair	1-2	2	9	985021
5 Pair	1-5	5	10	985022
10 Pair	1-10	10	11	985023
20 Pair	2 X 10	10	13	985025
25 Pair	5 X 5	5	14	985026
30 Pair	3 X 10	10	15	985027
50 Pair	5 X 10	10	18	985029
100 Pair	10 X 10	10	23	985031
0.63 mm Conductors				0.63 mm Cable
2 Pair	1-2	2	9	985061
5 Pair	1-5	5	11	985062
10 Pair	1-10	10	13	985063
20 Pair	2 X 10	10	15	985065
25 Pair	5 X 5	5	17	985066
30 Pair	3 X 10	10	19	985067
50 Pair	5 X 10	10	22	985069
100 Pair	10 X 10	10	29	985071
0.9 mm Conductors				0.9 mm Cable
2 Pair	1-2	2	10	985081
5 Pair	1-5	5	13	985082
10 Pair	1-10	10	15	985083
20 Pair	2 X 10	10	19	985085
25 Pair	5 X 5	5	21	985086
30 Pair	3 X 10	10	23	985087
50 Pair	5 X 10	10	28	985089
100 Pair	10 X 10	10	37	985091

Note: Other cable sizes are available on request

Operating Temperature: -40°C to +80°C

Bending Radius: 20 X Cable diameter

Voltage rating: 80 V

Standard: Generally complying with CW1128/79

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