Access Network Pair cable, TEL 312

ELLCE

Features

- Figure-8 design with standardized suspension web for easier installation.
- Robust design with solid insulation of Polyethylene
- Cable sizes 5 – 100 pair with conductor sizes 0.5 and 0.7 mm as standard.
- Complies with Swedish standard SS 424 16 62 and TeliaSonera A 099 0222
- ROHS compliant

Application

Intended for outdoor use in distribution network for telecommunication systems. Suitable for underground installations in ducts or direct buried.

The cable is polyethylene insulated, pair twisted into units, screened by an aluminum tape and jacketed with polyethylene.

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Cable design

- *Conductor* solid annealed copper wire Ø 0,5, 0.7 mm
- *Insulation* solid polyethylene Ø 1.1, 1.5 mm
- *Pair* twisted with different lay-lengths for all pairs within a unit.
- *Unit* ten pairs stranded into a unit with color coded binder
- *Lay up* *5 , 10 pair:* stranded pairs in one unit.
  20 – 100 pair: concentrically stranded with 10 pair units.
- *Wrapping* polyester tape
- *Suspension strand* zinc coated steel wires
  7x0.9 mm 5 – 30 pair 0.5, 5 – 10 pair 0.7
  7x1.2 mm 50 - 100 pair 0.5, 20 – 50 pair 0.7
- *Jacket* polyethylene.

Electrical data

Resistance
- *Conductor 0.5* 96 ohm/km (max)
- *Conductor 0.7* 49 ohm/km (max)

Resistance unbalance 2 % (max)
Insulation resistance 10 000 Mohmxkm (min at 20°C)
Capacitance 44 nF/km (max average)
46 nF/km (max individual)
Capacitance unbalance 150 pF x L /500 m (max)

General data

Operating voltage 100 V
Operating temp –40 to +70 °C
Installation temp –20 to +40 °C
Breaking load suspension strand
- *7x0.9 mm* 7.2 KN
- *7x1.2 mm* 12.8 KN

Marking on jacket Year and week of manufacture, Ericsson product No., designation and length marking
Color Black

Order information

Product number	Number of pairs x conductor diam	Delivery length/ drum	Cable Dim. D x H mm	Net weight kg/100m
TEL 312 0005/0005	5x2x0.5	500 m/K7	8x16	10
TEL 312 0005/0010	10x2x0.5	500 m/K7	10x18	14
TEL 312 0005/0020	20x2x0.5	500 m/K8	12x21	20
TEL 312 0005/0030	30x2x0.5	500 m/K9	15x23	26
TEL 312 0005/0050	50x2x0.5	500 m/K11	18x28	41
TEL 312 0005/0100	100x2x0.5	500 m/K12	25x35	71
TEL 312 0007/0005	5x2x0.7	500 m/K7	10x18	14
TEL 312 0007/0010	10x2x0.7	500 m/K8	13x20	20
TEL 312 0007/0020	20x2x0.7	500 m/K10	16x25	35
TEL 312 0007/0030	30x2x0.7	500 m/K11	20x29	47
TEL 312 0007/0050	50x2x0.7	500 m/K12	25x34	70

Color code 10 pair units

Unit No	Pair No.	Color of core A-core	B-core	Identification color of unit
1	1	white	blue	Blue
	2	white	orange	
	3	white	green	
	4	white	brown	
	5	white	grey	
	6	red	blue	
	7	red	orange	
	8	red	green	
	9	red	brown	
	10	red	grey	
2	11 – 20	See unit 1		Orange
3	21 – 30	See unit 1		Green
4	31 – 40	See unit 1		Brown
5	41 – 50	See unit 1		Grey
6	51 – 60	See unit 1		Red – blue
7	61 – 70	See unit 1		Red - orange
8	71 – 80	See unit 1		Red – green
9	81 – 90	See unit 1		Red – brown
10	91 -100	See unit 1		Red - grey

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