

Air Core Single Sheathed Underground Telephone Cables

Description

Used for distribution and long distance networks and installed for secondary and primary networks. The cable structure is completed by the application of a suitable core wrapping material, copolymer coated moisture barrier and overall the black outer jacketing. Outer jacketing material is MDPE, LDPE or HDPE in accordance with ASTM D 1248. Outer jacket sequentially marked by hot foil printing method.



Conductor

Solid annealed electrolytic copper. The conductor sizes are 0.4, 0.5, 0.6, or 0.9 mm

Color Coding

Fully color-coding.

Insulation

Colored foam skin polyethylene insulation and solid insulation in according to ASTM 1248, foam skin insulation with cellular polyethylene covered with skin layer of high-density polyethylene compound. Solid insulation made by medium or high-density polyethylene compound.

Twisting / Quadding

Two or four insulated wire twisted together. The twist length specially designed to minimize the capacitance unbalance and cross talk.

Cable Core

Stranding of 50 pairs or 100 pairs unit, which is assembled in to 10 pair groups, assembles the cable core.

Core Wrapping

A non-hydroscopic and dielectric polyester tape is applied helically over the cable core. Applied polyester tape at least overlaps by 5%.

Identification

A plastic tape, durable marked by the manufacturer name, year of manufacture, and cable size (if required) is placed under the core wrapping.

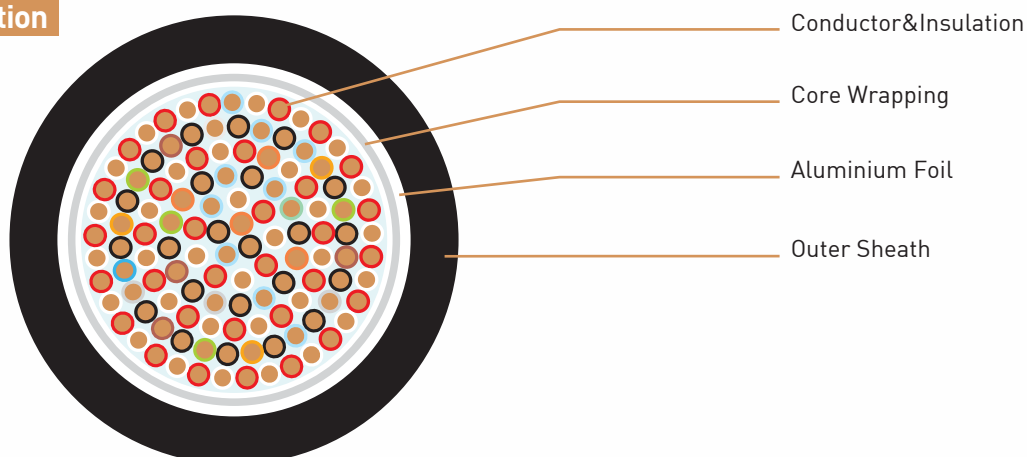
Screen

A single flat aluminum tape (0,2 mm thickness of aluminum) coated both side 50 micron polyethylene film applied longitudinally over core covering with an min 5 mm overlap. In customer request 0,15 mm thick aluminum tape could be used.

Outer Jacket

The cable core is extruded black low-density polyethylene or medium density polyethylene in accordance with ASTM D 1248. Outer jacket polyethylene is include %2,5 \pm 0,5 carbon black for sunrise resistance.

Cable Construction



Type Code of Cable

A-02Y(L) 2Y mxn

Refer to the type code of the copper cable for the description of the cable code.

Packing

Shipment will be done by non-returnable wooden drums with protection.

Length Marking

Sequentially numbered lengths marking are printed on the outside of cable jacket by hot foil printing method. The outer sheath marked in each meter as follows;

< TURKUAZ Cable > < year of manufacturing > < cable size and diameter of copper > < customer name > < length marking in meter > < telephone handset >

0,4 mm Conductor

Number of Pair	Outer Diameter of Cable mm	Weight of Copper Kg/km (Nom)	App. Cable Weight (Kg/Km)	Reel Length (m)* ± %5
10	8,0	22,6	75	2.000
20	9,6	45,3	110	2.000
30	10,8	67,9	150	2.000
50	12,7	115,5	210	1.000
100	16,2	231,0	380	1.000
150	19,8	346,5	550	500
200	22,3	462,0	695	500
300	26,5	693,0	995	500
400	30,1	924,1	1.295	500
600	34,9	1.386,1	1.880	500
900	42,0	2.079,1	2.760	400
1.200	48,5	2.772,2	3.650	400
1.500	53,2	3.456,2	4.495	300
1.800	57,9	4.158,2	5.350	300
2.400	65,6	5.544,3	7.000	250

0,5 mm Conductor

Number of Pair	Outer Diameter of Cable mm	Weight of Copper Kg/km (Nom)	App. Cable Weight (Kg/Km)	Reel Length (m)* ± %5
10	8,7	35,5	90	2.000
20	10,6	71,1	150	2.000
30	12,0	106,6	205	1.000
50	14,5	181,2	295	1.000
100	18,6	362,4	535	500
150	25,0	543,6	785	500
200	28,5	724,8	1.020	500
300	30,5	1.087,2	1.460	500
400	34,5	1.449,6	1.915	500
600	40,3	2.174,3	2.790	500
900	48,5	3.261,5	4.090	400
1200	55,0	4.348,7	5.380	300

0,6 mm Conductor

Number of Pair	Outer Diameter of Cable mm	Weight of Copper Kg/km (Nom)	App. Cable Weight (Kg/Km)	Reel Length (m)* ± %5
10	10,0	51,2	120	1.200
20	12,3	102,3	195	1.200
30	14,3	153,5	265	1.200
50	17,0	260,9	407	1.200
100	22,5	521,8	753	800
150	28,0	782,8	1.095	400
200	31,5	1.043,7	1.440	400
300	38,0	1.565,5	2.105	400
400	43,5	2.087,4	2.770	400
600	51,5	3.131,1	4.055	400

0,9 mm Conductor

Number of Pair	Outer Diameter of Cable mm	Weight of Copper Kg/km (Nom)	App. Cable Weight (Kg/Km)	Reel Length (m)* ± %5
10	12,8	115,2	210	1.200
20	16,5	230,2	370	1.200
30	19,0	345,3	515	800
50	24,0	587,1	840	800
100	32,5	1.174,1	1.580	400
150	40,0	1.761,2	2.360	400
200	46,0	2.348,3	3.130	400
300	55,5	3.522,4	4.580	400

(*) Other delivery length is available in customer request