Jelly Filled Unarmored 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, flooding compound, 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 is sequentially marked by hot foil printing method.

Conductor

Solid annealed electrolytic copper. The conductor size are 0.4- 0.5- 0.6 and 0.9 mm

Color Coding

For fully color-coding please refer to annex for detailed information of pair color code and sub units color codes.

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 medium or high-density polyethylene compound.

Twisting / Quadding

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

Cable Core

Twisted wires are assembled to form substantially cylindrical groups of ten pairs (units). Super units are assembled with suitable number of units, which are binded by durable colored tapes and cabled to complete cable core.

Filling Compound

The water resistance-filling compound, which has 85ºC drop point, is applied to the cable core to provide water resistance.

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.

Flooding Compound / Water blocking Tape

In order to prevent the water resistance-flooding compound applied over the cable core. In customer request water blocking tape could be applied between core wrapping and aluminum tape in helically or longitudinally.

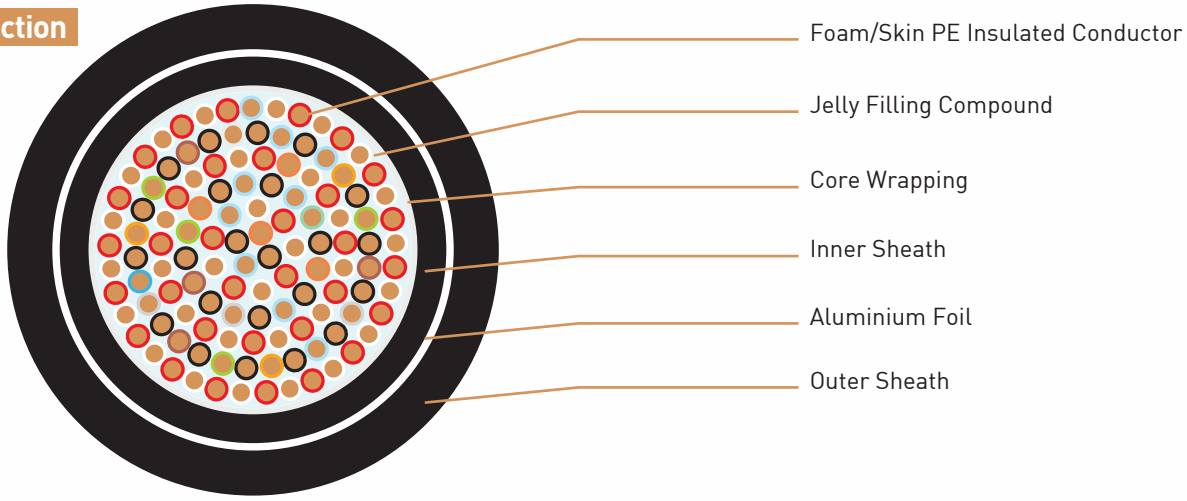
Screen

A single flat aluminum tape (0,2 mm thickness of aluminum) coated both side 50 micron polyethylene film applied longitudinally over core covering with a 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 or medium density polyethylene in accordance with ASTM D 1248. Outer jacket polyethylene is include %2,5 ±0,5 carbon black for sunrise resistance. The color of outer sheath is black.

Cable Construction



Type Code of Cable

A-02YF(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	8,5	22,6	78	2.000
20	10,0	45,3	121	2.000
30	11,5	67,9	162	2.000
50	13,5	115,5	240	1.000
100	17,0	231,0	426	1.000
150	21,0	346,5	623	500
200	23,5	462,0	807	500
300	28,0	693,0	1.169	500
400	32,0	924,1	1.525	500
600	38,0	1.386,1	2.218	500
900	45,5	2.079,1	3.242	400
1.200	51,5	2.772,2	4.275	400
1.500	57,5	3.456,2	5.309	300
1.800	62,5	4.158,2	6.342	300
2.400	71,5	5.544,3	8.327	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	9,5	35,5	104	2.000
20	11,5	71,1	167	2.000
30	13,0	106,6	227	1.000
50	15,5	181,2	348	1.000
100	20,5	362,4	634	500
150	25,0	543,6	932	500
200	28,5	724,8	1.216	500
300	34,0	1.087,2	1.780	500
400	38,5	1.449,6	2.333	500
600	45,5	2.174,3	3.352	500
900	54,5	3.261,5	4.939	400
1.200	62,5	4.348,7	6.525	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	11,0	51,2	138	1.200
20	13,5	102,3	228	1.200
30	15,5	153,5	318	1.200
50	19,0	260,9	492	1.200
100	25,5	521,8	918	800
150	31,0	782,8	1.389	400
200	35,5	1.043,7	1.798	400
300	42,5	1.565,5	2.636	400
400	48,5	2.087,4	3.468	400
600	58,0	3.131,1	5.068	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	14,5	115,2	260	1.200
20	18,5	230,2	456	1.200
30	21,5	345,3	646	800
50	27,0	587,1	1.054	800
100	36,5	1.174,1	1.998	400
150	45,5	1.761,2	3.052	400
200	52,5	2.348,3	4.042	400
300	63,0	3.522,4	5.940	400

(*)Other delivery length is available in customer request