Jelly Filled Armored Telephone Cables

Description

Used for distribution and long distance networks and installed for direct buried applications. The cable structure is completed by the application of a suitable core wrapping material, flooding compound, copolymer coated moisture barrier and overall the black inner and outer jacketing. Inner/outer jacketing material is MDPE LDPE or HDPE in accordance with ASTM D 1248. These types of cables have excellent mechanical performance.

Conductor

Solid annealed copper electrolytic copper. The conductor sizes are 0.4, 0.5, 0.6 or 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 or solid insulation in according to ASTM 1248, foam skin insulation with cellular polyethylene covered with skin layer of high-density polyethylene compound. Solid insulation is made 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

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 with durable colored tapes and cabled to complete cable core.

Filling Compound

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

Core Wrapping

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

Identification

A plastic tape, durable marked with 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 thickness aluminum tape could be used.

Inner Jacket

An extruded black low-density or medium-density polyethylene in accordance with ASTM D 1248 encloses the cable core.

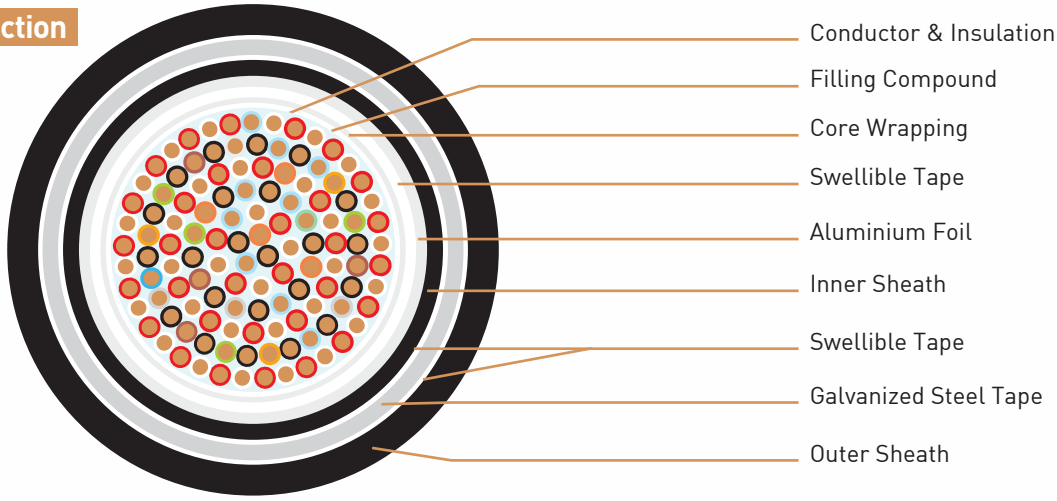
Armour

Both side 50 micron copolymer coated 0,155 mm thickness steel tape applied longitudinally over the inner jacket. Flooding compound shall be applied under the corrugated steel tape in order to prevent the water penetration. Two layer galvanized steel tape armour could be applied helically in customer request.

Outer Jacket

Over the corrugated steel tape, outer jacket 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	12,0	22,6	148	2.000
20	13,5	45,3	202	2.000
30	15,0	67,9	252	2.000
50	17,0	115,5	344	1.000
100	21,0	231,0	556	1.000
150	24,5	346,5	782	500
200	27,5	462,0	990	500
300	32,5	693,0	1.392	500
400	36,0	924,1	1.784	500
600	42,0	1.386,1	2.526	500
900	50,5	2.079,1	3.670	400
1.200	57,5	2.772,2	4.792	400
1.500	62,0	3.456,2	5.877	300

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	13,0	35,5	185	2.000
20	15,0	71,1	264	2.000
30	17,0	106,6	336	1.000
50	19,5	181,2	488	1.000
100	24,5	362,4	807	500
150	29,0	543,6	1.158	500
200	32,5	724,8	1.470	500
300	38,0	1.087,2	2.110	500
400	42,5	1.449,6	2.722	500
600	49,5	2.174,3	3.872	500
900	59,5	3.261,5	5.662	400

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	15,0	51,2	245	1.200
20	17,5	102,3	365	1.200
30	19,5	153,5	475	1.200
50	23,0	260,9	705	1.200
100	30,0	521,8	1.230	800
150	35,5	782,8	1.765	400
200	40	1.043,7	2.280	400
300	47,5	1.565,5	3.275	400
400	53,5	2.087,4	4.260	400
1.200	75,5	9.680,0	6.200	300

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	18	115,2	405	1.200
20	22,5	230,2	660	1.200
30	25,5	345,3	905	800
50	31,5	587,1	1.420	800
100	41,5	1.174,1	2.575	400
150	50,5	1.761,2	3.830	400
200	58,0	2.348,3	5.020	400
300	69,0	3.522,4	7.295	400

(*)Other delivery length is available in customer request