TURKUAZ CABLE

COPPER CORE TELECOMMUNICATION CABLES

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.

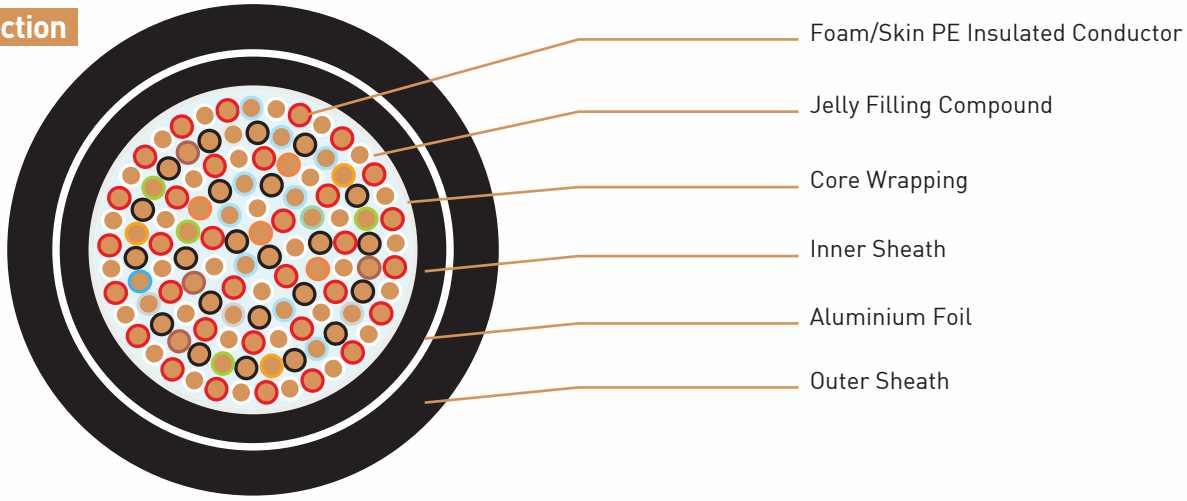
Screen

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

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.

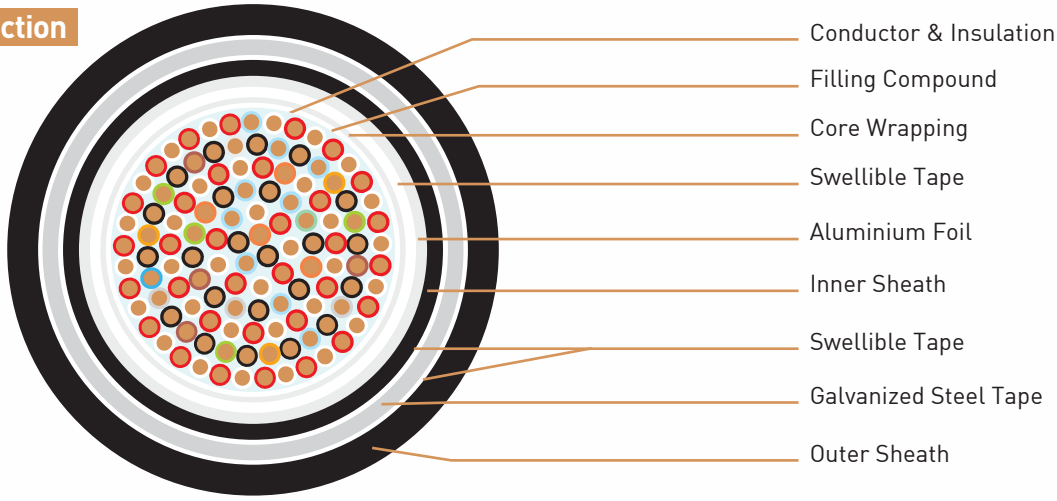
Armour

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

Jelly Filled Double Sheathed Underground 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 unit 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 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

Twisted wires are assembled to form substantially cylindrical groups of ten pairs (units). Super units are assembled by 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

Anon-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 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 thick aluminum tape could be used.

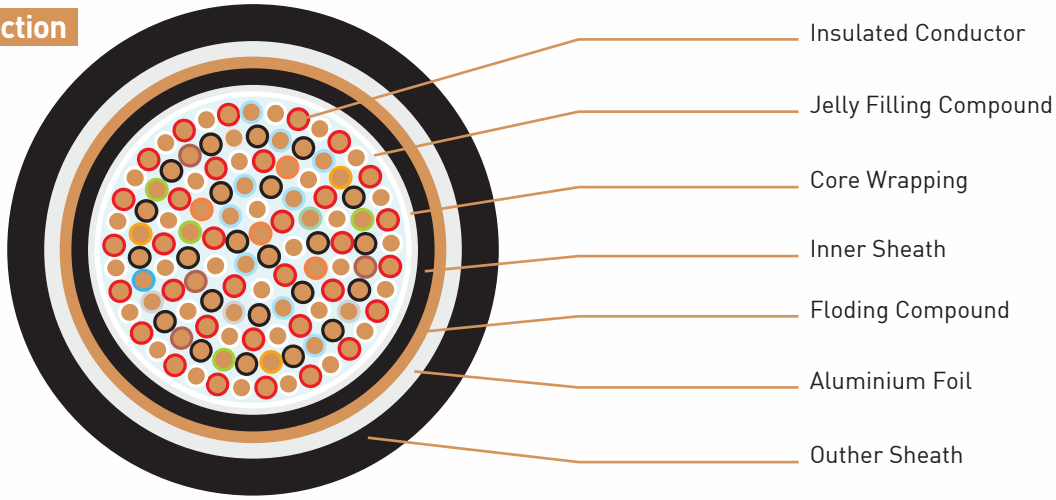
Inner Jacket

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

Outer Jacket

Over the corrugated steel tape, outer jacket is extruded black low-density polyethylene or medium density polyethylene in accordance with ASTM D 1248. Outer jacket polyethylene includes %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	9,9	22,6	105	2.000
20	11,6	45,3	150	2.000
30	12,9	67,9	190	2.000
50	15,0	115,5	277	1.000
100	18,7	231,0	470	1.000
150	22,6	346,5	682	500
200	25,3	462,0	875	500
300	30,5	693,0	1.270	500
400	34,0	924,1	1.632	500
600	4,5	1.386,1	2.355	500
900	48,5	2.079,1	3.464	400
1.200	55,2	2.772,2	4.560	400
1.500	61,0	3.456,2	5.624	300
1.800	66,5	4.158,2	6.723	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	11,4	35,5	130	2.000
20	13,4	71,1	200	2.000
30	15,0	106,6	270	1.000
50	17,6	181,2	390	1.000
100	23,0	362,4	690	500
150	27,5	543,6	1.005	500
200	31,0	724,8	1.314	500
300	37,0	1.087,2	1.902	500
400	41,5	1.449,6	2.470	500
600	48,0	2.174,3	3.515	500
900	57,5	3.261,5	5.160	400
1.200	65,5	4.348,7	6.780	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	12,7	51,2	180	1.200
20	15,0	102,3	280	1.200
30	17,5	153,5	370	1.200
50	20,5	260,9	565	1.200
100	28,0	521,8	1.040	800
150	33,0	782,8	1.490	400
200	38,0	1.043,7	1.940	400
300	45,5	1.565,5	2.795	400
400	51,0	2.087,4	3.670	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	16,0	115,2	290	1.200
20	20,0	230,2	500	1.200
30	23,5	345,3	700	800
50	29,5	587,1	1.130	800
100	39,0	1.174,1	2.090	400
150	48,5	1.761,2	3.150	400
200	55,0	2.348,3	4.150	400
300	66,5	3.522,4	6.070	400

(*) Other delivery length is available in customer request

Jelly Filled Self Supported Aerial Telephone Cables

Description

Used for aerial installation. The cable structure is completed by the application of a suitable core wrapping material, flooding compound, copolymer coated moisture barrier, a parallel support messenger with the core area covered by an overall black outer jacketing. 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 electrolytic copper. The conductor sizes are 0.4- 0.5- 0.6 or 0.9 mm

Color Coding

Fully color-coding. Please refer to annex for detailed information of pair color code and sub unit color codes.

Insulation

Colored foam skin polyethylene insulation or solid insulation in according to ASTM 1248, foam skin insulation with cellular polyethylene covered by 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 by 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

Anon-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.

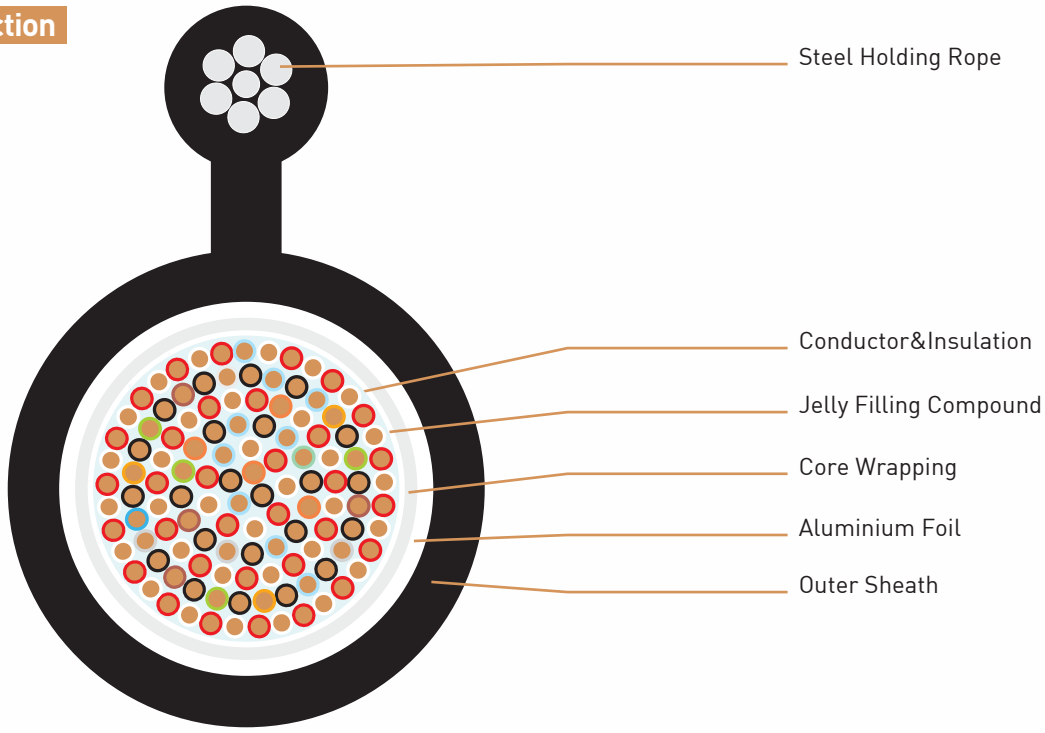
Support Messenger

According to ASTM A 475-66T galvanized 7 steel wires stranded rope having minimum 120 kg/mm^2 is used as holding rope.

Outer Jacket

Over the corrugated steel tape, outer jacket is extruded black low-density polyethylene or medium density polyethylene in accordance with ASTM D 1248. Outer jacket polyethylene includes %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) T 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	8,3x7,5	22,6	150	2.000
20	10,0x19,5	45,3	190	2.000
30	11,5x20,5	67,9	230	2.000
50	13,5x23,5	115,5	330	1.000
100	17,5x27,5	231,0	540	1.000
150	20,8x31,8	346,5	765	500
200	23,5x35,7	462,0	1.025	500

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	9,3x19,1	35,5	195	2.000
20	11,4x21,2	71,1	255	2.000
30	13,0x22,8	106,6	315	1.000
50	15,6x26,0	181,2	460	1.000
100	20,5x31,5	362,4	770	500
150	24,9x37,1	543,6	1.135	500
200	28,4x42,7	724,8	1.435	500

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	10,7x20,0	51,2	210	1.200
20	13,4x23,2	102,3	320	1.200
30	15,5x25,9	153,5	430	1.200
50	18,7x30,0	260,9	624	1.200
100	25,0x40,0	521,8	1.110	800
150	31,0x45,5	782,8	1.570	400
200	35,2x50,5	1.043,7	2.060	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	14,1x24,0	115,2	350	1.200
20	18,2x28,0	230,2	540	1.200
30	21,3x32,3	345,3	770	800
50	26,3x38,5	587,1	1.200	800
100	36,0x51,5	1.174,1	2.200	400

(*) Other delivery length is available in customer request

Air Core Single Sheated 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.

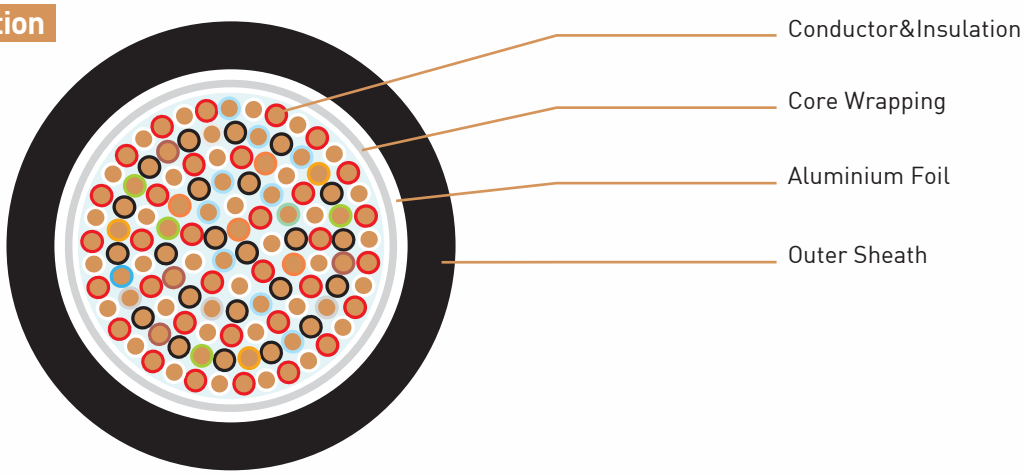
Screen

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 ±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

Unfilled Double Sheated 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 inner/outer jacketing. Inner/Outer jacketing material is MDPE, LDPE or HDPE in accordance with ASTM D 1248. Outer jacket sequentially marked by hot foil printing method. These types of cables designed for duct type installation.

Conductor

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

Color Coding

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 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 pairs groups, assembles the cable core.

Core Wrapping

Twisted quads or pairs are assembled to form a substantially cylindrical group of 10 pairs (units). Super units that are assembled by suitable number of units are binded with polypropylene tapes and cabled to complete cable core.

Identification

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

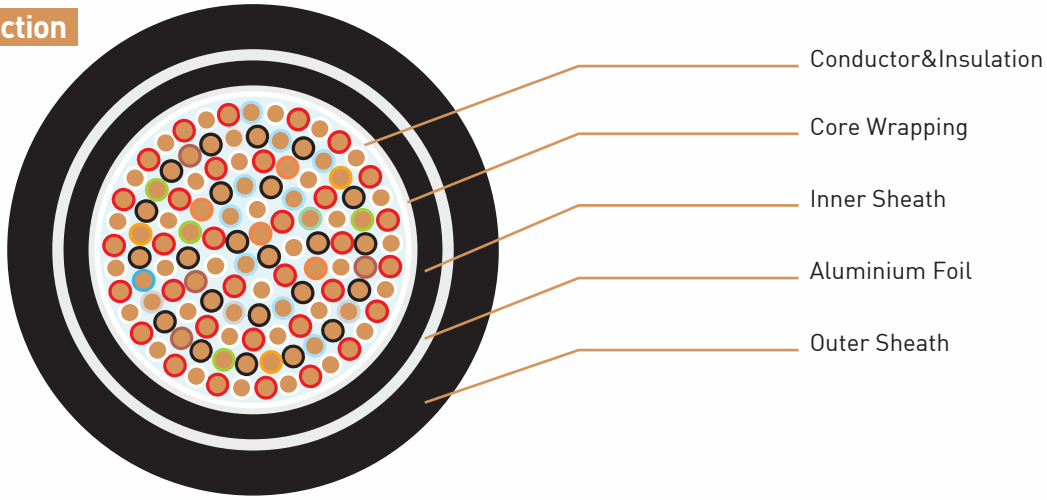
Inner Jacket

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

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.

Cable Construction



Type Code of Cable

A-02Y 2Y (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	10,0	22,6	110	2.000
20	11,7	45,3	145	2.000
30	12,8	67,9	180	2.000
50	14,8	115,5	255	1.000
100	18,5	231,0	425	1.000
150	21,5	346,5	590	500
200	24,0	462,0	760	500
300	28,5	693,0	1.090	500
400	32,5	924,1	1.390	500
600	37,5	1.386,1	2.040	500
900	45,0	2.079,1	2.950	400
1200	51,5	2.772,2	3.890	400
1500	57,0	3.456,2	4.810	300
1800	62,0	4.158,2	5.710	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	11,0	35,5	125	2.000
20	13,0	71,1	190	2.000
30	14,3	106,6	240	1.000
50	16,5	181,2	350	1.000
100	21,0	362,4	610	500
150	25,0	543,6	855	500
200	28,0	724,8	1.115	500
300	33,5	1.087,2	1.590	500
400	37,5	1.449,6	2.065	500
600	43,5	2.174,3	2.310	500
900	51,5	3.261,5	4.330	400
1200	59,0	4.348,7	5.690	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	12,0	51,2	150	1.200
20	14,3	102,3	240	1.200
30	16,3	153,5	310	1.200
50	19,5	260,9	470	1.200
100	25,8	521,8	860	800
150	30,5	782,8	1.035	400
200	34,5	1.043,7	1.590	400
300	41,0	1.565,5	2.290	400
400	46,5	2.087,4	2.995	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	14,7	115,2	250	1.200
20	18,5	230,2	420	1.200
30	21,3	345,3	580	800
50	26,5	587,1	950	800
100	35,0	1.174,1	1.730	400
150	43,0	1.761,2	2.545	400
200	49,0	2.348,3	3.360	400
300	59,0	3.522,4	4.890	400

(*) Other delivery length is available in customer request

Air Core Self Supported Aerial Telephone Cables

Description

Used for aerial installation. The cable structure is completed by the application of a suitable core wrapping material, copolymer coated moisture barrier, a parallel support messenger that with the core are covered by an overall the black outer jacketing. 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 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 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 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

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

Core Wrapping

Anon-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 with the manufacturer name, year of manufacture, and cable size (if required) is placed under the core wrapping.

Screen

A single flat aluminum tape (0,15 mm thickness of aluminum) coated both side 50 micron polyethylene film applied longitudinally over core covering with an min 5 mm overlap.

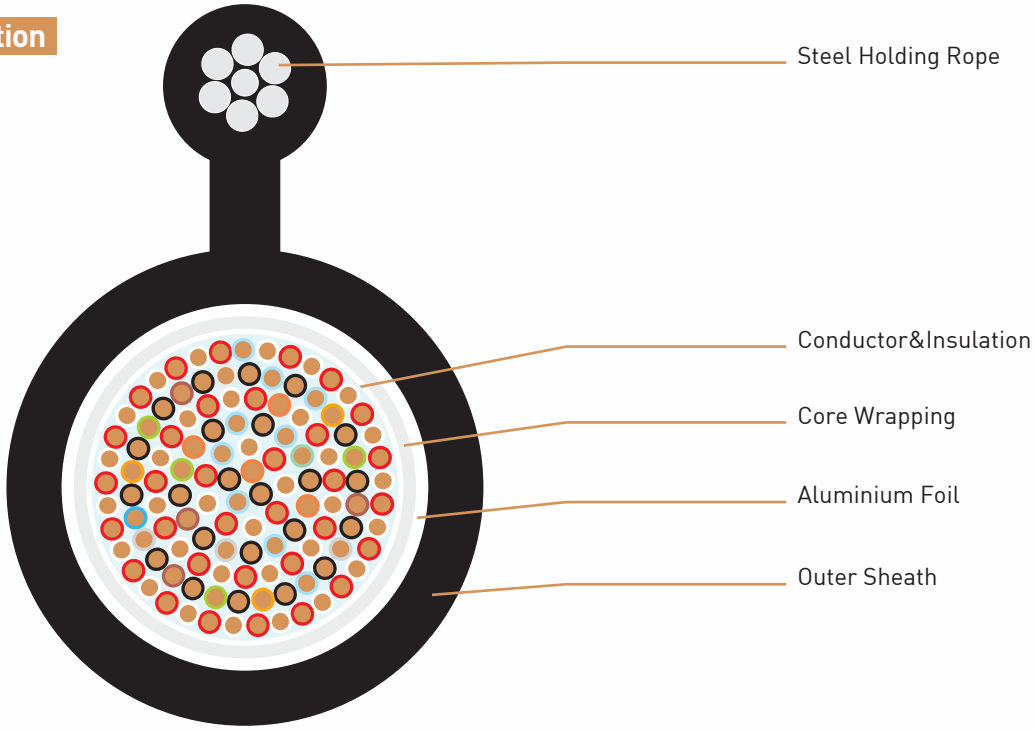
Support Messenger

According to ASTM A 475-66T galvanized 7 steel wires stranded rope having minimum 120 kg/mm^2 is used as holding rope.

Outher Jacket

Over the corrugated steel tape, outer jacket is extruded black low-density polyethylene or medium density polyethylene in accordance with ASTM D 1248. Outer jacket polyethylene is include %2,5 ± 0,5 carbon black for sunrise resistance.

Cable Construction



Type Code of Cable

A-02Y(L) T 2Y mxn Refer to the type code of the copper cable for the description of the cable code. Sequentially numbered length marking are printed on the outside of cable jacket by hot foil printing method

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	8,0x17,2	22,6	140	2.000
20	9,6x19,0	45,3	190	2.000
30	10,8x20,0	67,9	220	2.000
50	13,0x22,5	115,5	310	1.000
100	16,5x27,0	231,0	490	1.000
150	20,0x31,0	346,5	680	500
200	22,5x35,5	462,0	910	500

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	8,7x18,5	35,5	180	2.000
20	10,6x20,5	71,1	240	2.000
30	12,0x22,0	106,6	290	1.000
50	14,5x25,0	181,2	410	1.000
100	18,6x30,0	362,4	680	500
150	22,5x35,0	543,6	970	500
200	25,5x40,0	724,8	1.220	500

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	9,9x19,3	51,2	190	1.200
20	12,5x22,5	102,3	280	1.200
30	14,1x24,5	153,5	380	1.200
50	17,0x28,0	260,9	550	1.200
100	22,5x37,0	521,8	950	800
150	28,0x42,5	782,8	1320	400
200	31,6x47,0	1043,7	1.730	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	12,7x22,5	115,2	310	1.200
20	16,5x26,0	230,2	460	1.200
30	19,0x30,0	345,3	650	800
50	23,5x35,5	587,1	1.030	800
100	31,5x47,0	1174,1	1.860	400

(*) Other delivery length is available in customer request

Air Core Self Supported Aerial Subscriber Cables

Description

Used for aerial installation connection between distribution cabins and subscribers. The cable structure is completed by the application of a suitable core wrapping material, a parallel support messenger with the core are covered by an overall black outer jacketing. Outer jacketing material is MDPE or LDPE in accordance with ASTM D 1248.

Conductor

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

Color Coding

Fully color-coding.

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 by medium or high-density polyethylene compound.

Cable Core

Cable core is assembled by quads, which are stranded with a suitable lay length.

Core Wrapping

Anon-hydroscopic and dielectric polyester tape is applied helically or longitudinally over the cable core. Applied polyester tape at least overlaps by 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.

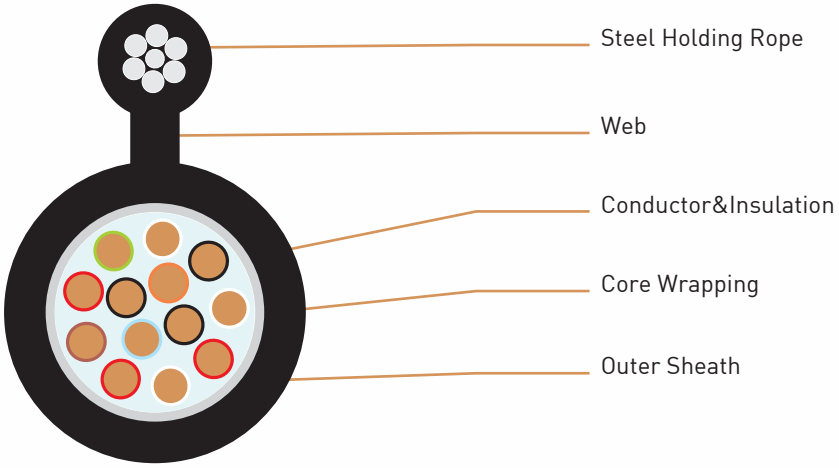
Support Messenger

According to ASTM A 475-66T galvanized 7 steel wires stranded rope having minimum 120 kg/mm^2 is used as holding rope.

Outher Jacket

Over the corrugated steel tape, outer jacket is extruded black low-density polyethylene or medium density polyethylene in accordance with ASTM D 1248. Outer jacket polyethylene is include %2,5 ±0,5 carbon black for sunrise resistance.

Cable Construction



Type Code of Cable

A-02Y T 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 >

0,5 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
2	6,5x15,6	14,2		1.000
4	6,5x15,6	14,2	110	1.000
6	7,2x16,5	21,3	125	1.000
10	8,5x18,5	35,5	165	1.000

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
2	8,7x18,0	46,0		1.000
4	8,7x18,0	46,0	160	1.000
6	10,0x19,5	69,1	190	1.000
10	12,0x22,2	115,1	280	1.000

(*) Other delivery length is available in customer request

Air Core PVC Sheated Telephone Cables

Description

Used for inside wiring applications and networks. The solid conductors are insulated polyvinylchloride compound. Insulated conductors are colored different colors and insulated conductors are stranded quad or pair, which are stranded together into units. Than cable core are made by those units. Outer jacketing material is PVC in accordance with international standards. Outer jacket sequentially marked by hot foil printing method.

Conductor

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

Color Coding

Fully color-coding.

Insulation

Colored polyvinylchloride insulated pair will be in accordance with the international standards.

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 pairs groups, assembles the cable core.

Core Wrapping

A Non-hygroscopic dielectric tape is applied helically or longitudinally by a suitable overlap.

Identification

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

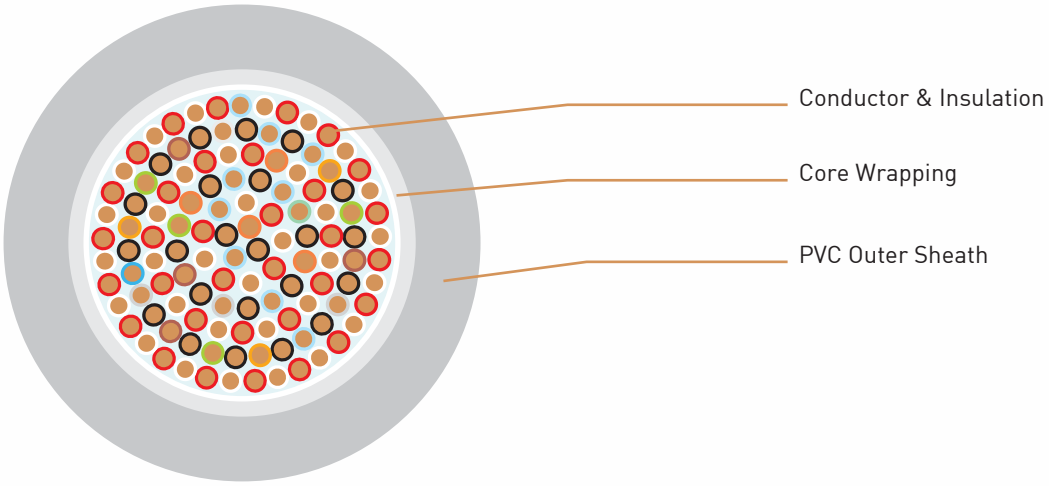
Support Messenger

According to ASTM A 475-66T galvanized 7 steel wires stranded rope having minimum 120 kg/mm^2 is used as holding rope.

Outher Jacket

The cable is sheathed with either jacketing grade polyvinyl chloride compound or halogen free flame retardant polyethylene compound in accordance with the international standards.

Cable Construction



Type Code of Cable

JYY 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 >

0,5 mm Conductor					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	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	35,5	95	2.000	10	9,8	51,2	130	1.000
20	10,5	71,1	150	2.000	20	12,5	102,3	210	1.000
30	12,5	106,6	210	1.000	30	14,5	153,5	290	1.000
50	15,0	181,2	320	1.000	50	18,0	260,9	450	1.000
100	20,0	360,4	630	1.000	100	24,1	521,8	890	1.000

(*) Other delivery length is available in customer request