

# 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.

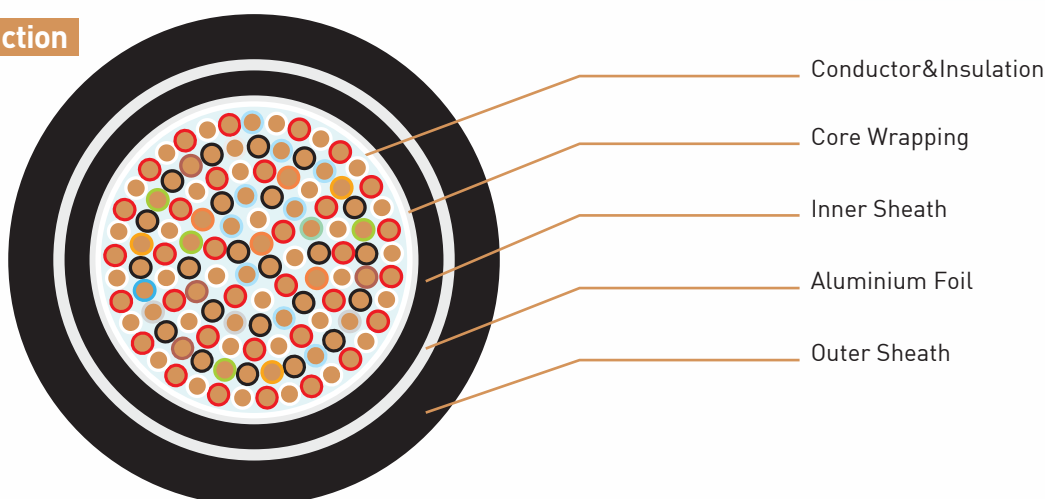
### Inner Jacket

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