

# 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 85°C 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

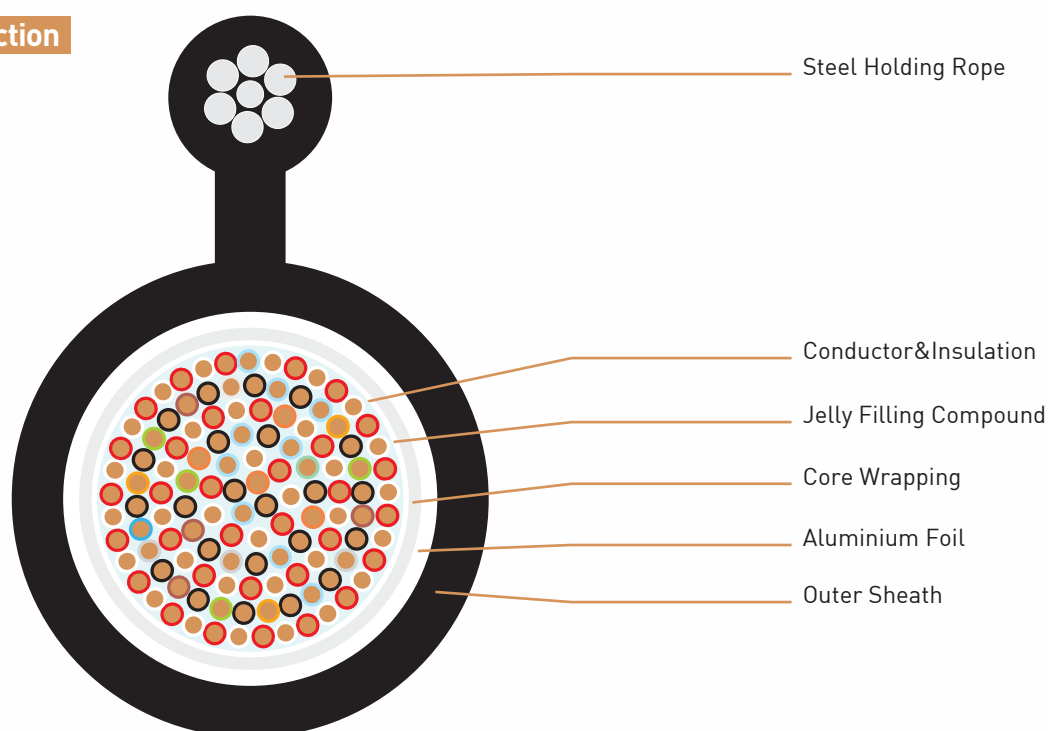
According to ASTM A 475-66T galvanized 7 steel wires stranded rope having minimum 120 kg/mm<sup>2</sup> is used as holding rope.

### 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					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	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	10	9,3x19,1	35,5	195	2.000
20	10,0x19,5	45,3	190	2.000	20	11,4x21,2	71,1	255	2.000
30	11,5x20,5	67,9	230	2.000	30	13,0x22,8	106,6	315	1.000
50	13,5x23,5	115,5	330	1.000	50	15,6x26,0	181,2	460	1.000
100	17,5x27,5	231,0	540	1.000	100	20,5x31,5	362,4	770	500
150	20,8x31,8	346,5	765	500	150	24,9x37,1	543,6	1.135	500
200	23,5x35,7	462,0	1.025	500	200	28,4x42,7	724,8	1.435	500

0,6 mm Conductor					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	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	10	14,1x24,0	115,2	350	1.200
20	13,4x23,2	102,3	320	1.200	20	18,2x28,0	230,2	540	1.200
30	15,5x25,9	153,5	430	1.200	30	21,3x32,3	345,3	770	800
50	18,7x30,0	260,9	624	1.200	50	26,3x38,5	587,1	1.200	800
100	25,0x40,0	521,8	1.110	800	100	36,0x51,5	1.174,1	2.200	400
150	31,0x45,5	782,8	1.570	400					
200	35,2x50,5	1.043,7	2.060	400					

(\*) Other delivery length is available in customer request