

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.

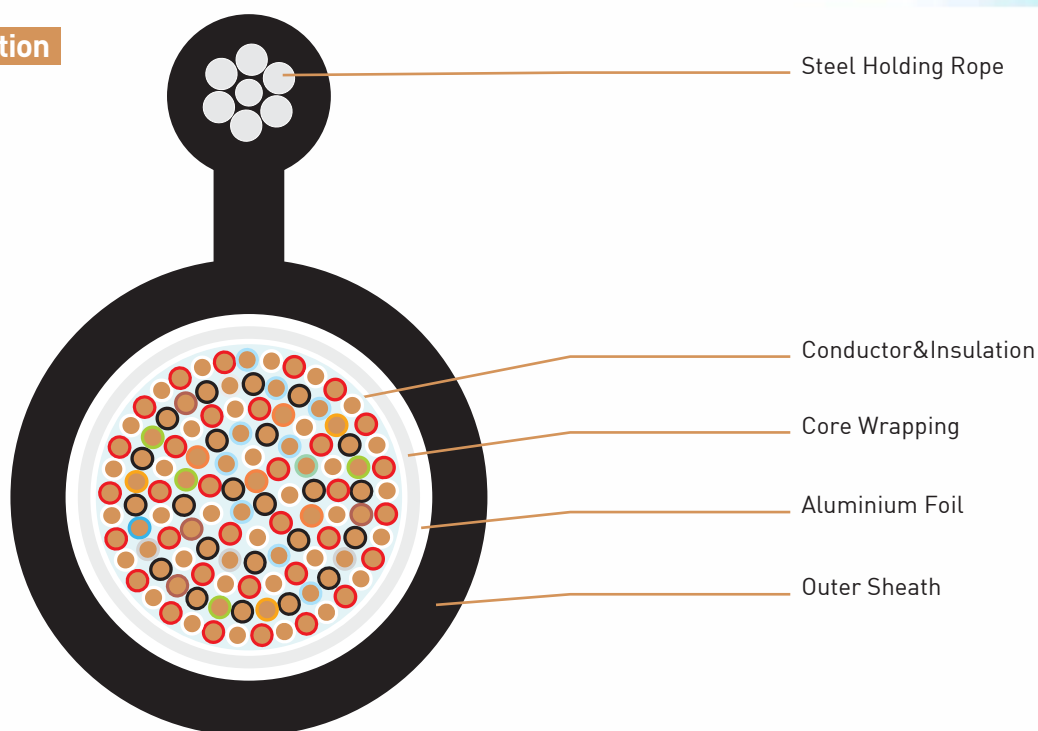
Support Messenger

According to ASTM A 475-66T galvanized 7 steel wires stranded rope having minimum 120 kg/mm² 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 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					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	8,0x17,2	22,6	140	2.000	10	8,7x18,5	35,5	180	2.000
20	9,6x19,0	45,3	190	2.000	20	10,6x20,5	71,1	240	2.000
30	10,8x20,0	67,9	220	2.000	30	12,0x22,0	106,6	290	1.000
50	13,0x22,5	115,5	310	1.000	50	14,5x25,0	181,2	410	1.000
100	16,5x27,0	231,0	490	1.000	100	18,6x30,0	362,4	680	500
150	20,0x31,0	346,5	680	500	150	22,5x35,0	543,6	970	500
200	22,5x35,5	462,0	910	500	200	25,5x40,0	724,8	1.220	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	9,9x19,3	51,2	190	1.200	10	12,7x22,5	115,2	310	1.200
20	12,5x22,5	102,3	280	1.200	20	16,5x26,0	230,2	460	1.200
30	14,1x24,5	153,5	380	1.200	30	19,0x30,0	345,3	650	800
50	17,0x28,0	260,9	550	1.200	50	23,5x35,5	587,1	1.030	800
100	22,5x37,0	521,8	950	800	100	31,5x47,0	1174,1	1.860	400
150	28,0x42,5	782,8	1320	400					
200	31,6x47,0	1043,7	1.730	400					

(*) Other delivery length is available in customer request