

PRESENTATION

Aerial self supporting cables for local distribution telecommunication network.

REFERENCE STANDARDS

UTE C 93-526 and UTE C 93-527-3

CABLE STRUCTURE**1- Conductors**

Each conductor consists of solid copper having a diameter of 0.4, 0.6 or 0.8 mm.

2- Insulation of conductors

Conductors are insulated by a colored solid polyethylene layer.
The thickness of insulation is such as the electrical requirements are met.

3- Stranding

- Element of cabling: insulated conductors are assembled in star quads.
- Cabling elements:
 - Quads are assembled in concentric bundles with a capacity of 8 pairs, 14 pairs and 28 pairs.
 - Cables with 56 pairs are assembled in basic bundles of 14 pairs
 - Cables having a capacity higher than 56 pairs are assembled in basic bundles of 28 pairs.

4- Core wrapping

A dielectric polyester tape is applied over the cable core.

5- Screen

On the cable core cover is applied an aluminum tape.

6- Drain wire

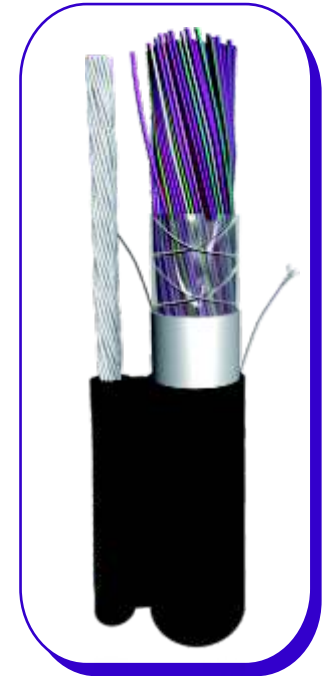
The Drain wire consists of tinned copper with 0.5 mm diameter.

7- Outer sheath

The sheath consists of low density polyethylene. It is black and contains 2.5 ± 0.5 mm of carbon black in compliance with the European standards requirements EN 50290-2-24

8- Suspension wire

The suspension strand is made up of assembled galvanized steel wires.



DIMENSIONS

Cable type	Cable sheath		Web		Sheathed suspension strand		
	Thickness (mm)	Diameter (mm)	Height (mm)	Width (mm)	Diameter (mm)	Thickness (mm)	Diameter (mm)
99-4-8		8,5					
98-8-4	1,5	7,9	1,8	2,0	2,4	0,9	5,0±0,3
98-14-4		8,5					
98-8-6	1,6	8,7					
99-8-8	1,6	10,5					
98-14-6	1,7	10,8					
99-14-8	1,7	13,0	1,8	2,5	3,0	1,0	6,0±0,3
98-28-4	1,6	10,6					
98-28-6	1,8	13,5					
98-56-4	1,8	13,0					
99-28-8	1,8	17,5					
98-56-6	1,9	18,3	1,8	3,5	4,0	1,4	7,8±0,5
98-112-4	1,9	16,5					
99-56-8	2,0	22,6	3,3	3,5	5,5	1,4	9,7±0,5
98-112-6	2,2	23,8					
99-112-8	2,2	29,9	4	4	5,5	1,6	9,7±0,5

ELECTRICAL CHARACTERISTICS

Test	0,4 mm diameter	0,6 mm diameter	0,8 mm diameter
Electrical resistance max. /km	150	66,6	36,8
Voltage test Conductor/Conductor Kv	0,6	1,15	1,5
Voltage test Conductor/SCREEN Kv	1,5	1,5	2,25
Insulation resistance M? .Km	5000		
Mutual capacitance max. nF/Km	57,5		