

TECHNICAL CHARACTERISTICS DATA SHEET

N° 015 – Date: 22/10/2002

Cable type: ELAQBY and ELAKY (SS 424 16 51)

ELAQBY (SS 424 16 51 P.Q.A.)	ELAKY (SS 424 16 51)
<u>Construction</u>	<u>Construction</u>
Conductor: Red copper	Conductor: Red copper
Core insulation: PE	Core insulation: PE
Construction: Pairs laid-up form a compact and circular cable	Construction: Pairs laid-up form a compact and circular cable
Wrapping: Polyester	Wrapping: Polyester
Screen: Aluminium 0,15 mm (for cables with 2 and 5 pairs, aluminium 25 µm)	Screen: Aluminium 0,15 mm (for cables with 2 and 5 pairs, aluminium 25 µm)
Final sheath: Halogen free, colours: white, red.	Final sheath: PVC, colours: white, red.

Sheath characteristics: according to IEC 60754 part 1-2.

Use and installation method: For indoor and outdoor connection of telephone equipment and data transmission systems. The screen protection against electromagnetic fields.

<i>Electrical characteristics</i>	<i>U.M.</i>	<i>Values</i>
<i>Insulation resistance (minimum)</i>	<i>MΩ · Km</i>	<i>5.000</i>
<i>Conductors resistance</i>	<i>Ω / Km</i>	<i>66,6</i>
<i>Capacitance</i>	<i>nF / Km</i>	<i>Nom: 55 – Max : 59</i>
<i>Capacitance unbalance (max)</i>	<i>pF / 500 m</i>	<i>150</i>
<i>Test Voltage (CC)</i>	<i>V</i>	<i>1000 during 1 minute</i>

Dimensional sheet

<i>Formation</i> <i>n° x Ø(mm)</i>	<i>Rating area</i> <i>(mm²)</i>	<i>Nominal Insulation thickness</i> <i>(mm)</i>	<i>Nominal sheath thickness</i> <i>(mm)</i>	<i>Max external diameter</i> <i>(mm)</i>	<i>Approx. Cable weight</i> <i>(Kg/Km)</i>	<i>Reels /Drum size</i> <i>(*) (AxBxC)** (***)</i>	<i>Footboard formation</i>	
2x2x0,6	0,3	0,24	0,8	6,6	42	B100 200x150x60 P	120	
						T500 400x205x150 M	18	
5x2x0,6			1,5	10,2	85	85	B100 270x180x80 M	48
							T500 400x430x150 M	6
10x2x0,6			1,5	13,0	135	135	B100 300x250x100 M	36
							T500 750x350x400 M	/
20x2x0,6			1,5	16,0	240	240	T500 750x350x400 M	/
30x2x0,6			1,5	18,0	310	310	T500 800x600x400 M	/
50x2x0,6	1,5	22,0	470	470	T500 1000x710x500 M	/		
100x2x0,6	1,5	28,0	850	850	T500 1250x810x630 M	/		

(*): B= reels; T= drums, and length in meters.

(**): A= flange diameter; B= width; C= drum, diameter;

(***) packing: P= plastic; M= ply wood.