

**TECHNICAL CHARACTERISTICS DATA SHEET**

**N° 017 – Date: 22/10/2002**

**Cable type: ELLXB (SS 424 16 90) and EKKX (SS 424 16 10)**

<b>ELLXB (SS 424 16 90)</b>		<b>EKKX (SS 424 16 10)</b>	
<b>Construction</b>		<b>Construction</b>	
<b>Conductor:</b>	Tinned copper	<b>Conductor:</b>	Tinned copper
<b>Core insulation:</b>	Halogen free	<b>Core insulation:</b>	PVC
<b>Construction:</b>	Pairs laid-up form a compact and circular cable	<b>Construction:</b>	Pairs laid-up form a compact and circular cable
<b>Wrapping:</b>	Polyester	<b>Wrapping:</b>	Polyester
<b>Final sheath:</b>	Halogen free, colour: white, red	<b>Final sheath:</b>	PVC, colour: white, red

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

**Use and installation method:** For static applications in telecommunications systems in dry or humid environments.

<b>Electrical characteristics</b>	<b>U.M.</b>	<b>Values</b>
<b>Conductors resistance</b>	$\Omega / Km$	Conductor 0,4 mm; max 153 Conductor 0,5 mm; 98
<b>Insulation resistance (minimum)</b>	$M\Omega \cdot Km$	500
<b>Capacitance</b>	$nF / Km$	Average Max: 75 Max : 80
<b>Capacitance unbalance (max)</b>	$pF / 500 m$	According to standard
<b>Test voltage (CC)</b>	V	1.500 during 1 minute

**Dimensional sheet**

<b>Formation</b> $n^* \times \varnothing (mm)$	<b>Rating area</b> ( $mm^2$ )	<b>Nominal insulation thickness</b> (mm)	<b>Nominal sheath thickness</b> (mm)	<b>Max external diameter</b> (mm)	<b>Approx. Cable weight</b> (Kg/Km)	<b>Reels /Drum size</b> (*) (AxBxC)** (***)	<b>Footboard formation</b>
1x4x0,5	0,2	0,2	0,6	3,9	20	B100 160x100x65 P	245
						T500 270x150x80 P	48
2x2x0,5			0,6	4,0	22	B100 160x100x65 P	245
						T500 270x150x80 P	48
3x2x0,5			0,6	5,8	33	B100 200x100x65 P	168
						T500 400x205x150 M	18
4x2x0,5			0,8	6,5	39	B100 200x150x65 P	96
						T500 400x205x150 M	18
6x2x0,5			0,8	7,0	52	B100 200x150x65 P	96
						T500 400x205x150 M	18
10x2x0,5			0,8	8,5	80	B100 270x150x80 P	48
						T500 400x430x150 M	6
20x2x0,5			0,9	11,5	135	T500 500x300x160 M	4
30x2x0,5						1,2	13,5
50x2x0,5			1,2	16,5	320	T500 750x300x250 M	/
100x2x0,5	1,3	22,5	585	T500 1000x710x500 M	/		
100x2x0,4	0,13	1,3	20,5	460	T500 1000x710x500 M	/	

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

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

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