



# PAMUKKALE KABLO

## Wire & Cable

### TECHNICAL DATA SHEET

Cu/XLPE/LSF/SWA/LSF				
<b>1.</b>	<b>Type of Cable</b>			<b>Item</b>
1.1	Cross-section		mm <sup>2</sup>	<b>4x150</b>
1.2	Designation voltage	U0/U	(kV)	0,6/1
1.3	Standard No			BS 6724
1.4	International Code			Cu/XLPE/LSF/SWA/LSF
<b>2.</b>	<b>Conductor</b>			
2.1	Standard No			BS:EN60228:2005
2.2	Conductor material			Copper
2.3	Conductor construction			shaped conductor
2.4	Nominal cross-sectional area		(mm <sup>2</sup> )	150
2.5	Number and nominal diameter of wires		(mm)	18x3,21
2.6	Diameter of conductor		(mm)	
2.7	Maximum D.C. resistance at 20 °C		(ohm/km)	0.124
2.8	Maximum operating temperature		(°C)	90
2.9	Short-circuit temperature		(°C)	250
<b>3.</b>	<b>Insulation</b>			
3.1	Type			GP8
3.2	Material			XLPE
3.3	Nominal thickness		(mm)	1.4
3.4	Minimum thickness at any point		(mm)	1.16
<b>4.</b>	<b>Laying Up</b>			
4.1	Contraction			4 Unilay
4.2	Direction			Right hand
<b>5.</b>	<b>Bedding</b>			
5.1	Type			LTS 1
5.2	Material			LSF
5.3	Nominal thickness		(mm)	1.40
5.4	Minimum thickness at any point		(mm)	0.92
5.5	Bedding Colour			Black
<b>6.</b>	<b>Armour</b>			
6.1	Material			Galvanized round steel wires
6.2	Number and nominal diameter of wires		(mm)	51x2,5
6.3	Fully armoured			no gap
6.4	Armour resistance at 20°		(Ohm/km)	max 0,68
6.5	Armour Direction			Left hand
<b>7.</b>	<b>Outer sheath</b>			
7.1	Type			LTS 1
7.2	Material			LSF
7.3	Nominal thickness		(mm)	2.4
7.4	Minimum thickness at any point		(mm)	1.72
7.5	Outer sheath colour			Black
<b>8.</b>	<b>Voltage Test Finished cable</b>			
8.1	Test Voltage		(kV)	3,5 AC
<b>9.</b>	<b>General</b>			
9.1	Overall Diameter of Cable		(mm)	48.56
9.2	Weight of cable approx.		(kg/km)	8117
9.3	Permissible bending radius		(mm)	8 x D
9.4	Current Carrying Capacity on air		(A)	430
	Current Carrying Capacity on earth		(A)	406
*	The above ratings are given for 25°C ambient temperature, depth of laying 0,5m, ground temperature 15°C, thermal resistivity of soil 1,2 Km/W and maximum conductor temperature 90°C			
<b>10.</b>	<b>Drum</b>			
10.1	Type		(cm)	180
10.2	Weight of empty drum		(kg)	270
10.3	Reel Diameter		(mm)	840
10.4	Flange Diameter		(mm)	1800
10.5	Width		(mm)	1110
10.6	Gross weight of drum with cable approx.		(kg)	4329
10.7	Length of cable per drum		(m)	500