



# PAMUKKALE KABLO

## Wire & Cable

### TECHNICAL DATA SHEET

Cu/XLPE/LSF/SWA/LSF			
<b>1. Type of Cable</b>			
1.1	Cross-section	mm <sup>2</sup>	<b>4x35</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. Conductor</b>			
2.1	Standard No		BS:EN60228:2005
2.2	Conductor material		Copper
2.3	Conductor construction		Circular compacted conductor
2.4	Nominal cross-sectional area	(mm <sup>2</sup> )	35
2.5	Number and nominal diameter of wires	(mm)	7x2,62
2.6	Diameter of conductor	(mm)	6.9
2.7	Maximum D.C. resistance at 20 °C	(ohm/km)	0.524
2.8	Maximum operating temperature	(°C)	90
2.9	Short-circuit temperature	(°C)	250
<b>3. Insulation</b>			
3.1	Type		GP8
3.2	Material		XLPE
3.3	Nominal thickness	(mm)	0.9
3.4	Minimum thickness at any point	(mm)	0.71
<b>4. Laying Up</b>			
4.1	Construction		4 Unilay
4.2	Direction		Right hand
<b>5. Bedding</b>			
5.1	Type		LTS 1
5.2	Material		LSF
5.3	Nominal thickness	(mm)	1
5.4	Minimum thickness at any point	(mm)	0.6
5.5	Bedding Colour		Black
<b>6. Armour</b>			
6.1	Material		Galvanized round steel wires
6.2	Number and nominal diameter of wires	(mm)	48x1,6
6.3	Fully armoured		no gap
6.4	Armour resistance at 20°	(Ohm/km)	max 3,1
6.5	Armour Direction		Left hand
<b>7. Outer sheath</b>			
7.1	Type		LTS 1
7.2	Material		LSF
7.3	Nominal thickness	(mm)	1.8
7.4	Minimum thickness at any point	(mm)	1.24
7.5	Outer sheath colour		Black
7.6	Outer sheath Marking	(1st Line)BASEC PK ELECTRIC CABLE 600/1000V 4x35 MM2 BS6724 CE 2011 MET (2nd Line)BASEC PK ELECTRIC CABLE 600/1000V BS6724	
<b>8. Voltage Test Finished cable</b>			
8.1	Test Voltage	(kV)	3,5 AC
<b>9. General</b>			
9.1	Overall Diameter of Cable	(mm)	29.8
9.2	Weight of cable approx.	(kg/km)	2565
9.3	Permissible bending radius	(mm)	6 x D
9.4	Current Carrying Capacity on air	(A)	160
	Current Carrying Capacity on earth	(A)	173
*	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. Drum</b>			
10.1	Type	(cm)	150
10.2	Weight of empty drum	(kg)	130
10.3	Reel Diameter	(mm)	660
10.4	Flange Diameter	(mm)	1500
10.5	Width	(mm)	840
10.6	Gross weight of drum with cable approx.	(kg)	2695
10.7	Length of cable per drum	(m)	1000