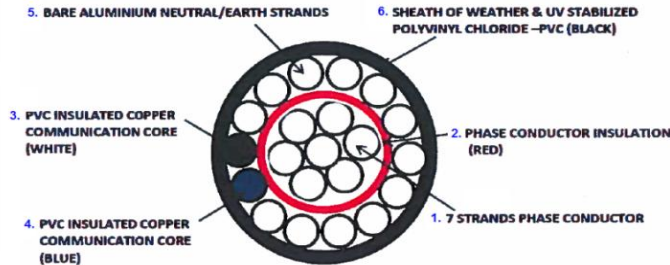


## TECHNICAL DATA SHEET

**PRODUCT DESCRIPTION: 0.6/1kV PVC insulated single phase concentric Al cable with 2 core Cu communication cable-property of KPLC**

**DRAWING:**



1	AL 7 strands phase conductor
2	Phase conductor PVC insulation
3	PVC insulation Cu communication core (White)
4	PVC insulation Cu communication core (Blue)
5	Bare Al Neutral strands
6	PVC sheath(Black)

No.	ITEMS	UNIT	TECHNICAL PARTICULARS
1	<b>Standard Applied</b>		KS 04-1022
2	<b>Rated Voltage</b>	kV	0.6/1
3	<b>Number of Cores</b>	No.	1
4	<b>Conductor(Phase)</b>		
	-- Cross sectional area	mm <sup>2</sup>	10
	-- Material		Aluminum wire
	-- Shape of finished conductor		Round
	-- No.and dia of strands	Nos./mm	7/1.35
	-- Max. D.C. conductor resistance at 20°C	Ω/km	≤3.08
5	<b>Insulation(Phase)</b>		
	-- Material		PVC
	-- Nominal thickness	mm	1.8
	-- Min.thickness at any point	mm	1.55
	-- OD over insulation (Approx.)	mm	7.65
6	<b>Conductor(Neutral)</b>		
	-- Cross sectional area	mm <sup>2</sup>	12.4
	-- Material		Aluminum wire
	-- Shape of finished conductor		round
	-- No. and dia of strands	Nos./mm	7/1.5
	-- Max. D.C. conductor resistance at 20°C	Ω/km	≤4.61
7	<b>Conductor(Messenger)</b>		
	-- Cross sectional area	mm <sup>2</sup>	1
	-- Material		Copper wire
	-- Shape of finished conductor		round
	-- No.and dia of strands	Nos./mm	7/0.44
	-- Max. D.C. conductor resistance at 20°C	Ω/km	≤18.1

<b>8</b>	<b>Insulation(Messenger)</b>		
	-- Material		PVC
	-- Nominal thickness	mm	0.33
	-- OD over insulation (Approx.)	mm	1.98
<b>9</b>	<b>Outer Sheath</b>		
	-- Material		PVC
	-- Nominal thickness	mm	1.4
	-- Min.thickness at any point	mm	1.09
<b>10</b>	<b>OD of the finished cable (Approx.)</b>	mm	13.9
<b>11</b>	<b>Weight of the finished cable (Approx.)</b>	Kg/km	205.8
<b>12</b>	<b>Min. bending radius at laying in terms of cable diameter</b>	D	15×D
<b>13</b>	<b>Max. conductor temperature on continuous</b>	°C	70
<b>14</b>	<b>Maximum conductor short time temperature</b>	°C	160
<b>15</b>	<b>Power frequen withstand voltage</b>	kV/km	3.5/5
<b>16</b>	<b>Insutation resistance at 500V DC in 1min at 20°C</b>	M Ω /km	8
<b>17</b>	<b>Packing</b>		
	-- Drum Type		Wooden Drums
	-- Flange of the drum	mm	1100
	-- OD of the drum	mm	300
	-- Internal width of the drum	mm	660
	-- External width of the drum	mm	800
	-- Delivery length	m	2500
	-- Gross weight of the finished packing	kgs	614.4

Representative: 李彩侠

Position: Technical Engineer

Signature: 任振行

Seal of the manufacturer:

Date: December 16.2015

