

SL #	ITEM	NO	1
	<b>0.5 KV CU (CL2)XLPE/OS/SWA/PVCBK</b>	<b>UNIT</b>	<b>1PX1.5</b>
	Product Standard		BS EN 50288-7
	Performance Standard(Flame / Fire - Test)		IEC 60332-1
	Rated Voltage	SOLID	0.5
<b>1</b>	<b>Circular Stranded Copper Class 2 Conductor</b>		
	Number of Pair(s)	Nos	1
	Nominal cross-sectional area	mm <sup>2</sup>	1.5
	Approx. Diameter of Conductor	mm	1.4
<b>2</b>	<b>Insulation - XLPE</b>		
	Color(s)		BK, WH
	Nominal Thickness	mm	0.6
	Approx. Diameter over Insulation	mm	2.7
<b>3</b>	<b>2 Cores Laid up</b>		
	Approx. Diameter over Laid Up	mm	5.5
<b>4</b>	<b>Overall metallic screen</b>		
	Aluminium/Polyester laminated tape applied over the laid up with Metallic side down in electric contact with Drain wire		
	Type of Drain Wire		SOLID
	Area of Drain wire	mm <sup>2</sup>	0.5
	Overlap %	%	25
<b>5</b>	<b>Extruded PVC Bedding</b>		
	Nominal Thickness	mm	0.9
	Approx. Diameter over bedding	mm	8.2
<b>6</b>	<b>Armour-Type: Round Galvanised Steel Wire</b>		
	Nominal Diameter of Wire	mm	0.9
	Approx. Diameter over armour	mm	9.9
<b>7</b>	<b>Extruded PVC Outer Sheath (BLACK)</b>		
	Nominal Thickness	mm	1.3
	Approx. Diameter over outer sheath	mm	12.3
	Approx. Weight of complete cable	kg/km	310
<b>8</b>	<b>Electrical Parameters</b>		
	Min.Insulation Resistance at 20°C	Mohm/km	1000
	Max. DC Resistance of Conductor at 20°C	ohm/km	12.342
	Voltage Test(For 1 min)	KV	2
	Approx AC Resistance of conductor at 90 degree	ohm/km	15.737
	approx mutual capacitance	nF/km	150
	Maximum L / R Ratio	μH/Ω	40
<b>9</b>	<b>Installation parameters</b>		
	Minimum Bending Radius	mm	74

SL #	ITEM	No	2
	<b>Cu (Cl2)/XLPE/IS+OS/PVC/SWA/PVC-BLACK TO BSEN 50288 - 7</b>	<b>UNIT</b>	<b>2 P X 1.5mm<sup>2</sup></b>
1	<b>Rated voltage (Uo/U)</b>	V	300/500
2	<b>Conductor</b>		
	Number of Pair(s)	Nos	2
	Stranded Copper Conductor : Class 2	-	
	Nominal cross sectional area	mm <sup>2</sup>	1.5
	Conductor diameter	mm	1.44
3	<b>Insulation</b>		
	.(Core color black and white, with number printing on white core )	-	XLPE
	Nominal thickness	mm	0.6
	Diameter Over Insulation	mm	2.74
4	<b>Pair</b>		
	Makeup: 2 cores twisted together with a suitable lay-length to form a Pair		
5	<b>Individual Screen</b>		
	Each Pair shall have Aluminium / Polyester laminated tape applied with Metallic side down in electric contact with the Drain wire		
	Over-lap	%	25
	Drain wire cross section area ( SOLID )	mm <sup>2</sup>	0.5
6	<b>Overall Screen</b>		
	Aluminium / Polyester laminated tape applied Over the Laid up Pair with Metallic side down in electric contact with the Drain wire		
	Over-lap	%	25
	Drain wire cross section area ( SOLID )	mm <sup>2</sup>	0.5
7	<b>Extruded PVC Bedding</b>		
	Nominal Thickness	mm	1.1
	Diameter Over Bedding	mm	13.04
8	<b>Single Layer (Steel ) Wire Armour</b>		
	Nominal Diameter	mm	0.9
	Diameter Over Armour	mm	14.78
9	<b>Extruded PVC Outer Sheath ( BLACK with Anti-termite)</b>		
	Nominal Thickness	mm	1.5
	Overall diameter of cable	mm	18
10	<b>Weight of complete cable</b>	kg / km	549
11	<b>Electrical Characteristics</b>		
	Voltage Test (For 1 min as per BSEN 50288 - 7	kV	1
	Minimum Insulation resistance at 20°C	MW/km	1000
	Maximum D.C. resistance of conductor at 20°C	W/km	12.342
	A.C.resistance of conductor at 90°C	W/km	15.7
	Maximum Mutual Capacitance at 1kHz	pF/m	< 150
	Maximum L / R Ratio	mH / W	40
12	<b>Minimum bending radius of cable (6X OD)</b>		108