



Sr No.	Technical Parameters	Unit	ELEGAR
1	Cable size		1Cx6 mm²
2	Electrical properties		
	Nominal DC Voltage	KV	1.5 kV
	Maximum permissible operating DC Voltage	KV	1.8 kV
	Test Voltage	KV	For (a.c.) - 6.5kV For (d.c.) - 15kV
3	Design Life of Cable		> 25 Years
4	Type of cable		
	Armoured / Unarmoured		Unarmoured
	Earthed/Unearthed		Uneearthed
5	Conductor		
	Material		Electrolytic annealed tinned copper (according to VDE 0295 / IEC 60228)
	Shape of conductor		Round
	Flexibility Class		Class 5
	No of wire(strands)	Nos.	78
	Wire(strands) dia Approx.	mm	0.3
	Max. DC Resistance of Cable		
	a) 20°C	Ohm/Km	3.39
	b) 70°C	Ohm/Km	4.05
	c) 90°C	Ohm/Km	4.32
6	Current ratings		
	In Ground	A	67 A
	In Duct	A	86 A (max 20° depth 1m)
	In Air	A	70 A
	Short Circuit Temperature	°C	Max Short Circuit Temperature 280 °C as per IEC 60216

