

## Specification of XLPE UG Cable

The XLPE UG Cable stands for Cross linked poly ethylene cable. This cable is non-hazardous to wild animals. It has high resistance to salinity of water in the ground, chemicals, oils and corrosive fumes. These are free from fire risk. These cables are not prone to failure due to ageing characteristics and have longer life. Roots can not penetrate through the XLPE Cable due to its ruggedness. It can with stand temperature variation upto 150°c even laid underneath rock.

As per IS:7098, the following XLPE cable specification are followed:

Size of cable	:	120 sq.mm.
Insulation of the cable thickness	:	3.6 mm
Maximum conductor Temperature - normal	:	90° c
Maximum conductor Temperature - short circuit	:	250° c
Thermal resistance in the soil temperature	:	150° c
Maximum D.C. resistance	:	2.53 ohm/km
Maximum A.C. resistance	:	2.324 ohm/km
Current carry capacity	:	235 Amp
Normal strip	:	0.8 mm
Outer sheath	:	1.4 mm
With armoured	:	1.56 mm

  
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