



Document No. : E-T-SA15-0095-11KV-AXSPM-3C

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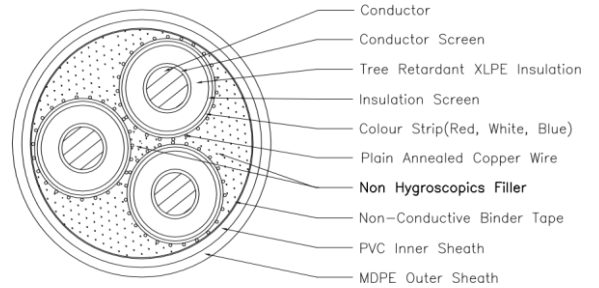
Revision No. : 0

CRF No. : SA15-0095

## AL/TRXLPE/SCW/PVC/MDPE Cable [6.35/11(12)KV]

### SCHEDULE OF TECHNICAL PARTICULARS

- 1) Specification : AS/NZS 1429.1:2006
- 2) Voltage, U<sub>o</sub>/U (Um) : 6.35/11(12) kV.
- 3) Maximum Conductor Temperature (°C) : - 90°C (Normal operation)  
- 105°C (Emergency operation)  
- 250°C (Short-circuit operation - 5s max)
- 4) Conductor : Aluminium Wire, AS/NZS 1125, Class 2
- 5) Conductor Screen : Semi-Conductive Compound
- 6) Insulation : Tree-Retardant XLPE
- 7) Insulation Screen : Semi-Conductive Compound (Strippable)
- 8) Identification of cores : Red, White, Blue by colour strip
- 9) Metallic Screen : Plain Annealed Copper Wire
- 10) Filler : Non Hygroscopic Filler (Centre & Interstices)
- 11) Binder Tape : Non-Conductive Binder Tape
- 11) Inner Sheath : PVC 5V-90 (Orange)
- 12) Outer Sheath : MDPE (Black)



THREE CORE - AL/TRXLPE/SCW/PVC/MDPE [6.35/11(12)KV]			
Nominal Conductor Area	mm <sup>2</sup>	35	300
MM Cables Item Code	-	1259751016	1259859016
Nominal Conductor Diameter	mm	7.1	20.6
Nominal Insulation Thickness	mm	3.4	3.4
Approximate Cable Diameter	mm	47.0	77.9
Approximate Cable Weight	kg/km	2,010	6,750
DC resistance of conductor at 20°C	ohm/km	0.868	0.100
Short Circuit Rating of conductor	kA/1s	3.3	28.3
Earth fault current carrying capacity of metallic screen	kA/1s	3.3	13.2

- Embossing : MM CABLES XLPE ELECTRIC CABLE 6.35/11KV <Size> MM2 AL 3C <PO No.> <Year> - Length marking : Yes Page 1 of 1