

TECHNICAL SPECIFICATIONS

MEDIUM VOLTAGE CABLE



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Specification of Medium Voltage (11kV) Cable

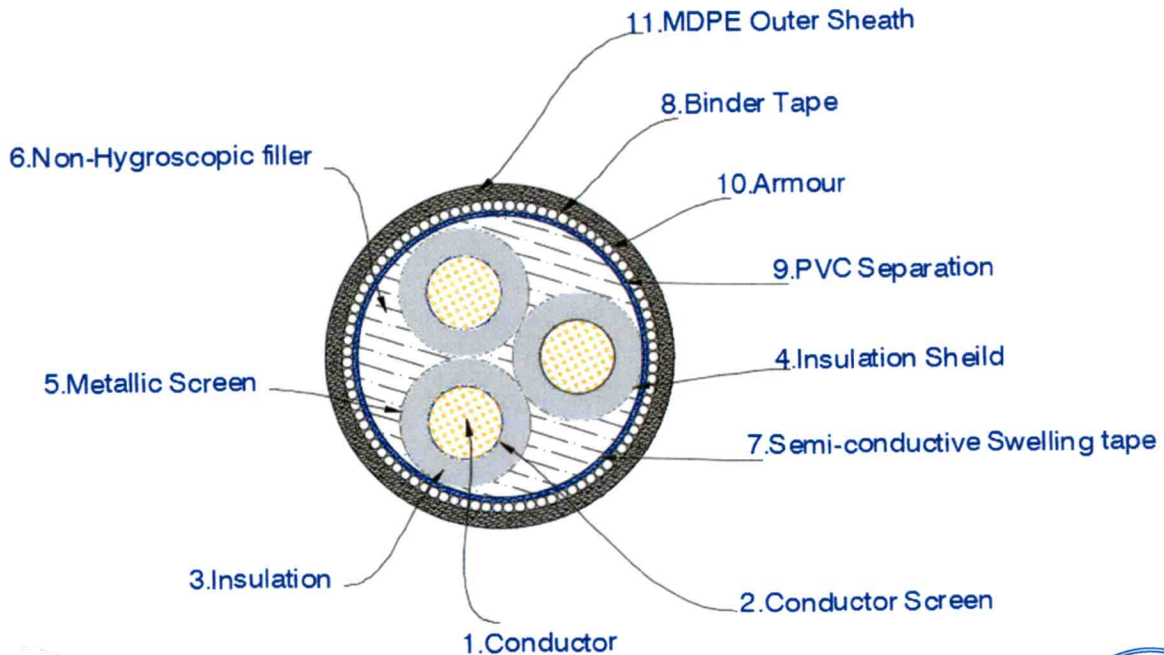
All cables shall be approved by MEA.

Three Core Cables

Product Standard	IEC 60502-2 or Equivalent
Voltage (kV)	6.35/11(12)
1 Conductor	Circular Stranded Copper Class 2 (IEC 60228)
2 Conductor Screen	Semi-conducting compound (Bonded)
3 Insulation	Extruded XLPE insulation (IEC 60502)
4 Insulation Shield	Semi-conducting compound, Hand Strippable
5 Metallic Screen	Copper Tape (Helical wrap with overlap)
6 Material of Filler	3 cores laid up with non-hygroscopic fillers
7 Water Blocking	Semi-conductive swelling tape
8 Binder Tape	Non-conductive binder tape (Helical Wrap)
9 Separation Sheath	Extruded PVC
10 Armour	Galvanized steel round wire
11 Outer Sheath	Extruded MDPE outer sheath

Construction Details:

Cu/XLPE/SCT/PVC/SWA/MDPE



Single Core Cables

Product Standard	IEC 60502-2 or Equivalent
Voltage (kV)	6.35/11(12)
1 Conductor	Circular Stranded Copper Class 2 (IEC 60228)
2 Conductor Screen	Semi-conducting compound (Bonded)
3 Insulation	Extruded XLPE insulation (IEC 60502)
4 Insulation Shield	Semi-conducting compound, Hand Strippable
5 Metallic Screen	Copper Tape (Helical wrap with overlap)
6 Water Blocking	Semi-conductive water blocking tape
7 Binder Tape	Non-conductive binder tape (Helical Wrap)
8 Separation Sheath	Extruded PVC
9 Armour	Aluminum round wire
10 Outer Sheath	Extruded MDPE outer sheath

Construction Details:

Cu/XLPE/SCT/PVC/AWA/MDPE

