OVERHEAD CONDUCTOR
PROCESS FLOW CHART

Copper/ Aluminium Rod

QC Test
● Rod diameter ● Conductor Resistance/ Resistivity/ Conductivity
● Tensile strength/ Elongation/ Breaking Load

Drawing Wire

QC Test/Online Check
● Wire diameter ● Annealing Test
● Roundness ● Scratches ● Ovality

Conductor Stranding for AAC/ MHDCC

QC Test/Online Check
● No./diameter of wire ● Lay Ratio
● Weight ● Conductor Resistance

Conductor Stranding With Steel for ACSR

Test on Steel
● Tensile strength
● Elongation
● Zinc coating
● Wrapping ● Torsion

QC Test
● PVC/ XLPE Compound

Extruded PVC / XLPE Insulation for AAC-INS

QC Test/Online Check
● Thickness of insulation
● Concentricity
● Surface

Drumming/ Packing

Core Laying for DUPLEX/ QUADRUPLEX

QC Test/Online Check
● OD ● Seal ● Surface
● Weight ● High Voltage

Dispatch

ELCO
cables