



CABLE TYPE : **CTW - CV - CWS SINGLE CORE CU/XLPE/CWS/PE 115 kV**

HIGH VOLTAGE CROSS-LINKED POLYETHYLENE CABLE, COPPER CONDUCTOR WITH COPPER WIRE SHIELD



Conductor	Compact round stranded annealed copper.
Conductor Screen	Semi-conducting tape with extruded. semi-conducting cross-linked polyethylene.
Insulation	Cross-linked polyethylene. (XLPE)
Insulation Screen	Semi-conducting cross-linked polyethylene.
Synthetic water blocking layer	Semi-conductive water blocking tape.
Metallic Shield	Annealed copper wire with copper contact tape.
Synthetic water blocking layer	Non-conductive water blocking tape.
Radial water barrier	Plastic-coated Aluminum tape.
Outer Sheath	Black polyethylene (ST7) ; (Optional : with rib)

APPLICATION

Preferably used for urban networks.
Suitable For use in duct, trays and
direct burial in ground, subjected
to immerse in water all the time.

CLASSIFICATION

Maximum Conductor Temperature
90 °C (Normal Operation)

Maximum Conductor Temperature
250 °C (Short-circuit at 5s
maximum duration)

REFERENCE

IEC 60228 & IEC 60840

** AC Test Voltage : 160 kV

NOTE

A special FR-PVC or Low Smoke Halogen Free (LSHF) Flame retardant sheath can be supplied in accordance with IEC 60332-3.

** Depth of laying in ground = 1 m, Rho = 1.2 °C m/watt, Spacing of cable = 2 x cable overall diameter