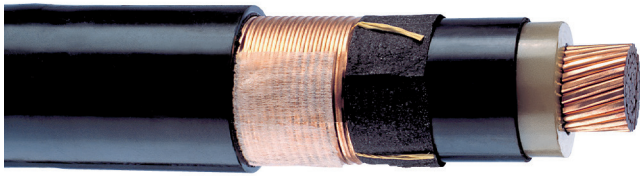


15-46kV TRXLPE TRIPLESEAL™ CSA

Medium Voltage Utility Cables



DESCRIPTION

Single conductor cable with filled strand or solid aluminum or copper conductors, triple extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength TRXLPE insulation, thermosetting semiconducting insulation shield, Water Swellable Layer, LC SHIELD®, Water Swellable Bridging Tape, linear low-density polyethylene (LLDPE) jacket.

FEATURES

- Fully water blocked to prevent both longitudinal and radial water penetration
- Ripcords for easy splicing and termination.
- More flexible than TRXLPE

SPECIFICATIONS AND RATINGS

CSA- CSA C68.5 -40°C

ICEA- ICEA T-31-610

ICEA- ICEA T-34-664

For 90°C continuous, 130°C emergency, 250°C short-circuit operation.

OPTIONS

- EPR insulation
- Super smooth conductor shield
- Cables made to AEIC CS8 and/or ICEA S-97-682
- Black LLDPE jacket with no stripes or alternate colors
- Multiplex cables

INSTALLATION

- Conduit in Air
- Underground Duct
- Wet Locations
- With Messenger
- Direct Buried
- Isolated in Air
- Dry Locations
- Utility Primary

DESIGN PARAMETERS

CONDUCTORS: Solid or Class B Compressed concentric strand aluminum alloy 1350 or soft drawn annealed copper per ASTM. Stranded conductors are water-blocked with STRANDSEAL® conductor filling compound.

CONDUCTOR SHIELD: Extruded thermosetting semiconducting shield which is free stripping from the conductor and bonded to the insulation.

INSULATION: Natural high dielectric TRXLPE insulation, exhibiting an optimum balance of mechanical and electrical properties, assuring resistance to treeing.

INSULATION SHIELD: Extruded thermosetting semiconducting shield with controlled adhesion to the insulation providing the required balance between electrical integrity and ease of stripping.

WATER SWELLABLE LAYER: Semi-conducting water swellable tape applied underneath the LC SHIELD®.

LC SHIELD®: A transversely corrugated copper tape is longitudinally applied over the semiconducting water swellable tape, overlapped, and sealed with a flexible hot-melt adhesive. This design prevents the ingress of water radially into the insulation system and accommodates the expansion and contraction of the cable during thermal cycling. Ripcords are applied under LC SHIELD® and semi-conducting tape to facilitate removal.

WATER SWELLABLE LAYER: Water swellable agents over the LC SHIELD® and water swellable bridging tape centered over the LC SHIELD® overlap.

JACKET: Black insulating sunlight resistant linear low-density polyethylene jacket tightly applied over the LC SHIELD® with three extruded red stripes.



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