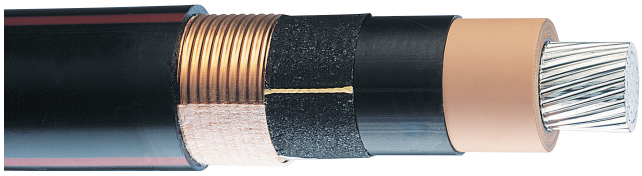
15-46kV EPR **TRIPLESEAL**™

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 EPR insulation, thermosetting semiconducting insulation shield, semiconducting water swellable layer, water swellable layer, ripcords, sealed 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 for ease of installation

SPECIFICATIONS AND RATINGS

AEIC- AEIC CS8

ICEA- ICEA S-97-682

ICEA- ICEA T-31-610

ICEA- ICEA T-34-664

For 90°C continuous, 140°C emergency, 250°C short-circuit operation.

OPTIONS

- Compact stranded conductors
- UL MV-90 rating if required
- 105°C option
- Black jacket with no stripes
- 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 strength EPR-based insulation, combined with other materials and agents that enhance the electrical and mechanical characteristics assuring extended cable life.

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® to prevent longitudinal water migration.

LC SHIELD®: A transversely corrugated copper tape islongitudinally 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 and NESC lightning bolt symbol.

Prysmian
4 Tesseneer Drive, Highland Heights, KY 41076
na.prysmian.com
PDN-0036-0426