

5-46kV EPR SUPERDRI™

Medium Voltage Utility Cables



DESCRIPTION

Single conductor cable with solid or filled strand aluminum or copper conductors, triple extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength EPR insulation, thermosetting semiconducting insulation shield, copper concentric neutral wires, water swellable agents, black sleeved linear low-density polyethylene (LLDPE) jacket.

FEATURES

- Fully water blocked to prevent moisture migration and improve cable life
- Water swellable tape to ease jacket removal
- Ripcords for easy splicing and termination
- More flexible than TRXLPE for ease of installation

SPECIFICATIONS AND RATINGS

AEIC- AEIC CS8

ICEA- ICEA S-94-649

ICEA- ICEA T-31-610

ICEA- ICEA T-34-664

For 105°C continuous, 140°C emergency, 250°C short-circuit operation.

OPTIONS

- Super smooth conductor shield
- Tinned round and flat strap neutrals
- Compact stranded conductors
- CL™ Jacket for UL MV-105 rating
- Reduced copper in neutral
- UL MV-90 rating if required
- USDA Bulletin 1728-U1 as applicable
- Black LLDPE jacket with no stripes or alternate colors
- Multiplex cables

INSTALLATION

- Conduit In Air
- Direct Buried
- Underground Duct
- Isolated In Air
- Wet Locations
- Dry Locations
- With Messenger
- 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.

METALLIC SHIELD: Solid bare copper wires, helically applied and uniformly spaced.

RIP CORDS: Two high tensile strength rip cords, longitudinally applied at 180° apart to facilitate easy jacket removal.

WATER BLOCKING AGENTS: Water swellable tape applied longitudinally over the concentric neutrals combined with an application of water swellable agents to resist longitudinal water penetration under the jacket.

JACKET: Sleeved, black, insulating, sunlight resistant, linear low density polyethylene encapsulating the neutral wires with three extruded red stripes and NESC lightning bolt symbol.



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