

5-46kV TRXLPE DOUBLESEAL™

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 TRXLPE insulation, thermosetting semiconducting insulation shield, copper concentric neutral wires, water swellable agents, black encapsulating linear low-density polyethylene (LLDPE) jacket, water blocked in conductor and shield.

FEATURES

- Fully water blocked to prevent moisture migration and improve cable life

SPECIFICATIONS AND RATINGS

AEIC- AEIC CS8

ICEA- ICEA S-94-649

ICEA- ICEA T-31-610

ICEA- ICEA T-34-664

For 90°C continuous, 130°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
- RUS Bulletin 1728F-U1 where applicable
- 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

METALLIC SHIELD: Solid bare copper wires, helically applied and uniformly spaced. Water-blocking agents applied over the insulation shield and around the neutral wires to resist longitudinal water penetration

JACKET: 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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