ENGINEERING SPECIFICATIONS

Standards
Underwriters Laboratories® Standards UL-44, UL-854; ANSI/ICEA S-105-692; IEEE 835-1994; NFPA 70 (NEC®); Compact Stranded Aluminum Alloy 8000 Series per ASTM B800, ASTM B801, ASTM B836; ARRA 2009 Section 1605 “Buy American” Compliant; RoHS Complaint; RUS Accepted; ICEA S-81-570; UL Listing E17-4428

CONSTRUCTION

Conductors
Compact Stranded Aluminum Alloy 8000 Series per ASTM B800, ASTM B801 and ASTM B836

Insulation
Cross-link polyethylene (XLPE) insulation per UL-44, UL-854 and ANSI/ICEA S-105-692. Black XLPE insulation on phase conductors, yellow XLPE insulation on grounded (neutral) conductors.

APPLICATIONS

Triple-rated USE-2/RHH/RHW-2 conductors are suitable for underground service entrance applications and in raceways for general purpose lighting and power circuits. Triple-rated conductors can also be installed on both sides of the service point and when the service is located inside the building envelope. For applications not exceeding 600 volts. For NEC applications when used as USE-2 per UL 854 and NEC 310.104(A) and non-NEC applications; including direct burial, or for installation in electrical ducts or raceways. For wet or dry locations not exceeding 90°C for normal operation, 130°C for emergency overloads not to exceed 100 hours within 12 consecutive months. May be used for NEC applications, as well as, non-NEC applications including direct burial, or for installation in electrical ducts or raceways. For wet or dry locations not exceeding 90°C for normal operation, 130°C for emergency overloads, and 250°C under short circuit conditions. All conductors are UL triple-rated as USE-2 per UL-854 and RRHH-RHW-2 per UL-44.

FEATURES