



Product Specification

Specification No.

XL-9604 F

MARCH 6, 1996

TYPE: USE-2 OR RHW-2, CROSSLINKED POLYETHYLENE
BUILDING WIRE AND CABLE

I. SCOPE:

THIS SPECIFICATION COVERS THE BASIC REQUIREMENTS OF A COPPER CONDUCTOR INSULATED WITH CROSSLINKED POLYETHYLENE AND CONFORMING TO THE REQUIREMENTS SET FORTH BY UNDERWRITERS' LABORATORIES, INC. STANDARDS. THE CABLE HAS BEEN DUAL RATED AND IS KNOWN AS TYPE USE-2 OR TYPE RHW-2.

USE:

TYPE USE-2 IS USED AT TEMPERATURES OF 90°C IN DRY OR WET LOCATIONS AT A VOLTAGE RATING OF 600 VOLTS MAXIMUM. IT IS MAINLY USED FOR DIRECT BURIAL APPLICATIONS OR AS UNDERGROUND SERVICE ENTRANCE.

TYPE RHW-2 IS USED AT TEMPERATURES OF 90°C IN DRY OR WET LOCATIONS, VOLTAGE RATING 600 VOLTS. IT IS USED MAINLY IN APPLICATIONS BETWEEN BUILDINGS, IN CONDUIT OR DUCTS, OR IN OPEN AIR.

THE ABOVE TYPE USE-2 OR TYPE RHW-2 WHEN PROPERLY MARKED ON THE SURFACE OF THE WIRE IS DUAL RATED FOR EITHER TYPE AND CONFORMS TO UNDERWRITERS' LABORATORIES, INC.

II. CONSTRUCTION DATA:

- A. CONDUCTOR: SOLID OR STRANDED COPPER CONDUCTOR CONFORMING TO THE ASTM STANDARDS B-3 AND B-8 AND UNDERWRITERS' LABORATORIES INC. STANDARD UL 44 AND UL 854.
- B. INSULATION: THE CONDUCTOR SHALL BE INSULATED WITH CHEMICALLY CROSSLINKED POLYETHYLENE LISTED IN UNDERWRITERS' LABORATORIES BULLETIN UL 44 AND UL 854, CONFORMING TO DIMENSIONS STATED IN TABLE I HEREIN. THE PHYSICAL AND ELECTRICAL PROPERTIES OF THE INSULATION SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN UNDERWRITERS' LABORATORIES, INC. STANDARD UL 44 AND UL 854 AND ICEA S-64-524 NEMA WC-7 PART 3.6 FOR 90°C OPERATION IN WET OR DRY LOCATIONS.
- C. IDENTIFICATION: SURFACE PRINTED ON SURFACE OF INSULATION WITH INFORMATION CONFORMING TO THE UL AND NEC STANDARDS.