



Aluminum RHH/RHW-2/USE-2 600V 90°C XLP Insulation



Standard:

- UL 44
- UL 854
- NEMA WC 70/ ICEA S-95-658
- Requirements of the National Electrical Code
- ASTM B800, B801, B836
- Sunlight resistant

Application:

USE-2 cables are primarily used for power distribution, in raceways in accordance with National Electrical Code, except that the cable is not rated for use in cable tray. USE-2 is approved for direct burial and for service entrance below ground. USE-2 cables may be used in wet or dry locations, with conductor temperatures not exceeding 90°C. Voltage rating for USE-2 cable is 600V.

Description:

Single copper conductor, stranded, insulated with moisture and heat resistant, chemically cross-linked polyethylene insulation. Temperature rating 90° C in

Insulation:

USE-2 has abrasion, heat and moisture resistant cross-linked polyethylene insulation XLPE

Conductors:

Compact bare 8000 series aluminum, with Class B stranding per ASTM

| Cable Code | Conductor Size AWG/kcmil | Conductor Diameter | | Ins.Thickness | | Ov. Diameter | | Net Weight lbs/kft | Ampacity at 90°C amps |
|-----------------------------------|-----------------------------|--------------------|-------|---------------|------|--------------|-------|-----------------------|-----------------------------|
| | | inches | mm | inches | mm | inches | mm | | |
| 8 AWG Alum XLP/USE-2/RHH-RHW-2 | 8 | 0,134 | 3,40 | 0,060 | 1,52 | 0,257 | 6,53 | 36 | 45 |
| 6 AWG Alum XLP/USE-2/RHH-RHW-2 | 6 | 0,169 | 4,29 | 0,060 | 1,52 | 0,292 | 7,42 | 49 | 55 |
| 4 AWG Alum XLP/USE-2/RHH-RHW-2 | 4 | 0,213 | 5,41 | 0,060 | 1,52 | 0,336 | 8,53 | 65 | 75 |
| 3 AWG Alum XLP/USE-2/RHH-RHW-2 | 3 | 0,24 | 6,10 | 0,060 | 1,52 | 0,368 | 9,35 | 78 | 85 |
| 2 AWG Alum XLP/USE-2/RHH-RHW-2 | 2 | 0,268 | 6,81 | 0,060 | 1,52 | 0,391 | 9,93 | 94 | 100 |
| 1 AWG Alum XLP/USE-2/RHH-RHW-2 | 1 | 0,299 | 7,59 | 0,080 | 2,03 | 0,462 | 11,73 | 126 | 115 |
| 1/0 AWG AlumXLP/USE-2/RHH-RHW-2 | 1/0 | 0,335 | 8,51 | 0,080 | 2,03 | 0,499 | 12,67 | 151 | 135 |
| 2/0 AWG Alum XLP/USE-2/RHH-RHW-2 | 2/0 | 0,378 | 9,60 | 0,080 | 2,03 | 0,539 | 13,69 | 182 | 150 |
| 3/0 AWG Alum XLP/USE-2/RHH-RHW-2 | 3/0 | 0,423 | 10,74 | 0,080 | 2,03 | 0,586 | 14,88 | 221 | 175 |
| 4/0 AWG Alum XLP/USE-2/RHH-RHW-2 | 4/0 | 0,476 | 12,09 | 0,080 | 2,03 | 0,638 | 16,21 | 269 | 205 |
| 250 AWG Alum XLP/USE-2/RHH-RHW-2 | 250 | 0,52 | 13,21 | 0,095 | 2,41 | 0,713 | 18,11 | 326 | 230 |
| 300 AWG Alum XLP/USE-2/RHH-RHW-2 | 300 | 0,571 | 14,50 | 0,095 | 2,41 | 0,763 | 19,38 | 381 | 260 |
| 350 AWG Alum XLP/USE-2/RHH-RHW-2 | 350 | 0,614 | 15,60 | 0,095 | 2,41 | 0,809 | 20,55 | 435 | 280 |
| 400 AWG Alum XLP/USE-2/RHH-RHW-2 | 400 | 0,657 | 16,69 | 0,095 | 2,41 | 0,852 | 21,64 | 489 | 305 |
| 500 AWG Alum XLP/USE-2/RHH-RHW-2 | 500 | 0,736 | 18,69 | 0,095 | 2,41 | 0,929 | 23,60 | 595 | 350 |
| 750 AWG Alum XLP/USE-2/RHH-RHW-2 | 750 | 0,909 | 23,09 | 0,110 | 2,79 | 1,131 | 28,73 | 881 | 435 |
| 1000 AWG Alum XLP/USE-2/RHH-RHW-2 | 1000 | 1,059 | 26,90 | 0,110 | 2,79 | 1,283 | 32,59 | 1145 | 500 |

All values are nominal and subject to correction.

*Ampacities shown are for general use as specified by the National Electrical Code 2017 Edition section 310-15