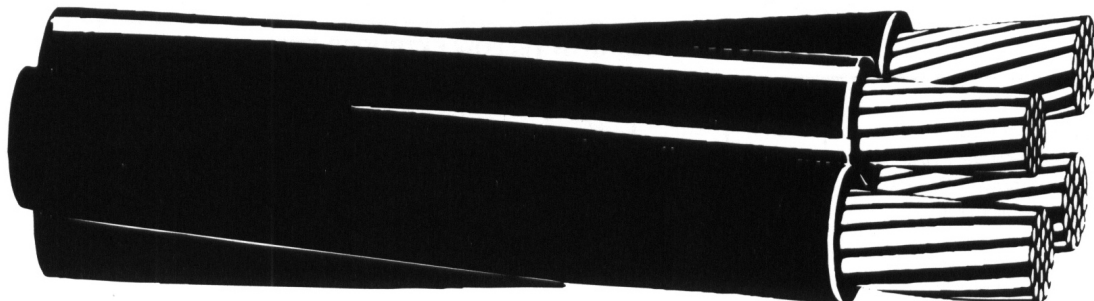


Quadruplex 600V Secondary UD HI-SCORE

Aluminum Conductors. Ruggedized XLP Insulation.
Provides Superior Mechanical Protection.



APPLICATIONS

Used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts. Especially suited for applications requiring superior resistance to mechanical damage. Rated 90°C continuous operation, 130°C emergency overload and short circuit 250°C.

SPECIFICATIONS

HI-SCORE quadruplex 600 volt secondary UD cable meets or exceeds the following applicable ASTM specifications:

- B-609 Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes.
- B-231 Aluminum 1350 Conductors, Concentric-Lay-Stranded.
- B-786 19 Wire Combination Unilay-Stranded Aluminum Conductors for Subsequent Insulation.
- B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire.

HI-SCORE quadruplex 600 volt secondary UD cable insulation meets or exceeds all grade and type requirements of ICEA S-81-570 and UL Standard 854 for Type USE-2.

CONSTRUCTION

Conductors are stranded, compressed 1350-H16/H26 aluminum, insulated with a cross-linked polyethylene meeting the requirements of ANSI/ICEA S-81-570. Neutrals are triple yellow extruded stripe. Cables with "YES" neutrals have sequential footage markers. Conductors are durably surface printed for identification. Three phase conductors and one neutral conductor are cabled to produce the quadruplex cable configuration. Conductors are also available paralleled.

HI-SCORE Quadruplex 600V

| Code Word | Phase Conductor | | | Neutral | | | Diameter (mils) | | | Weight Per 1000 ft. (lbs.) | Allowable Ampacities+ | |
|-----------------------|---------------------|------------|----------------------|---------------------|------------|----------------------|--------------------|---------------|----------------|----------------------------|-----------------------|----------|
| | Size (AWG or kcmil) | Strand-ing | Insul. Thick. (mils) | Size (AWG or kcmil) | Strand-ing | Insul. Thick. (mils) | Single Phase Cond. | Neutral Cond. | Complete Cable | | Direct Burial | In Ducts |
| | | | | | | | | | | | | |
| Tulsa/HI-SCORE | 4 | 7 | 60 | 4 | 7 | 60 | 345 | 345 | 833 | 256 | 120 | 85 |
| Dyke/HI-SCORE | 2 | 7 | 60 | 4 | 7 | 60 | 403 | 345 | 973 | 343 | 155 | 115 |
| Wittenberg/HI-SCORE | 2 | 7 | 60 | 2 | 7 | 60 | 403 | 403 | 973 | 373 | 155 | 115 |
| Notre Dame/HI-SCORE | 1/0 | 9 | 80 | 2 | 7 | 60 | 512 | 403 | 1236 | 536 | 200 | 150 |
| Purdue/HI-SCORE | 1/0 | 9 | 80 | 1/0 | 9 | 80 | 512 | 512 | 1236 | 591 | 200 | 150 |
| Syracuse/HI-SCORE | 2/0 | 11 | 80 | 1 | 9 | 80 | 555 | 473 | 1340 | 659 | 225 | 170 |
| Lafayette/HI-SCORE | 2/0 | 11 | 80 | 2/0 | 11 | 80 | 555 | 555 | 1340 | 716 | 225 | 170 |
| Swarthmore/HI-SCORE | 3/0 | 17 | 80 | 1/0 | 9 | 80 | 603 | 512 | 1456 | 801 | 250 | 195 |
| Davidson/HI-SCORE | 3/0 | 17 | 80 | 3/0 | 17 | 80 | 603 | 603 | 1456 | 871 | 250 | 195 |
| Wake Forest/HI-SCORE | 4/0 | 18 | 80 | 2/0 | 11 | 80 | 658 | 555 | 1588 | 977 | 290 | 225 |
| Earlham/HI-SCORE | 4/0 | 18 | 80 | 4/0 | 18 | 80 | 658 | 658 | 1588 | 1065 | 290 | 225 |
| Slipperyrock/HI-SCORE | 350 | 37 | 95 | 4/0 | 18 | 80 | 831 | 658 | 2006 | 1548 | 385 | 305 |
| Wofford/HI-SCORE | 500 | 37 | 95 | 350 | 37 | 95 | 980 | 831 | 2366 | 2190 | 465 | 370 |
| Marshall/HI-SCORE | 500 | 37 | 95 | 500 | 37 | 95 | 980 | 980 | 2366 | 2350 | 465 | 370 |

+Ampacity: 90°C conductor temperature, 20°C ambient temperature, RHO factor 90, 100% load factor for four conductor Quadruplex, 3 phase operation. For NEC Applications, use NEC Table 310.16 Ampacities.