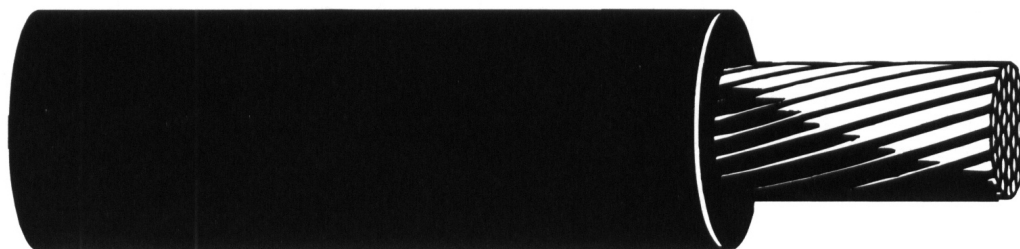


# Single Conductor 600V Secondary UD HI-SCORE

Aluminum Conductor. 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° continuous operation, 130°C emergency overload and short circuit 250°C.

## SPECIFICATIONS

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

- B-231 Aluminum 1350 Conductors, Concentric-Lay-Stranded.
- B-609 Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes.
- 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 single conductor 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. Conductors are durably surface printed for identification.

# HI-SCORE Single Conductor 600V

Code Word	Phase Conductor			Diameter (mils)		Weight Per 1000 feet (lbs.)	Allowable Ampacities+	
	Size (AWG or kcmil)	Stranding	Insul. Thick. (mils)	Bare	Complete Cable		Direct Burial	In Ducts
Princeton/HI-SCORE	6	7	60	178	298	44	90	65
Mercer/HI-SCORE	4	7	60	225	345	63	120	85
Clemson/HI-SCORE	2	7	60	283	403	92	155	115
Kenyon/HI-SCORE	1	9	80	313	473	121	175	130
Harvard/HI-SCORE	1/0	9	80	352	512	146	200	150
Yale/HI-SCORE	2/0	11	80	395	555	177	225	170
Tufts/HI-SCORE	3/0	17	80	443	603	216	250	195
Beloit/HI-SCORE	4/0	18	80	498	658	264	290	225
-----	250	26	80	542	702	302	320	250
Gonzaga/HI-SCORE	300	37	95	594	784	370	355	280
Rutgers/HI-SCORE	350	37	95	641	831	423	385	305

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