

Quadruplex PowerGlide 600V Secondary UD HI-SCORE

Aluminum Conductor.
Ruggedized Cross-linked Polyethylene (XLP) Insulation.
Provides Superior Mechanical Protection.
Easy to Pull or Push.



APPLICATIONS

- Used for secondary distribution and underground service at 600 volts or less.
- Designed for push-in or pull-in installation.
- Rated 90°C continuous operation, 130°C emergency overload and short-circuit 250°C.

SPECIFICATIONS

PowerGlide 600 volt secondary UD HI-SCORE 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.

PowerGlide 600 volt secondary UD HI-SCORE cable insulation meets or exceeds all grade and type requirements of ANSI/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. Three phase conductors and one neutral conductor are cabled to produce a twisted-conductor cable configuration. Twisted conductors are bound with an engineered spiral-wrapped glide wire that reduces installation friction and maintains bundle integrity. Neutral is identified with three yellow extruded stripes (YES) and has sequential footage markers. Conductors are durably surface printed for identification. Also available in sizes 250 kcmil through 500 kcmil with reduced 80 mils insulation thickness per ICEA and UL. Duplex and triplex configurations are also available in most common sizes.

PowerGlide HI-SCORE Quadruplex 600V

Phase Conductors			Neutral Conductor			Diameter (mils)			Weight Per 1000 feet (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
1/0	9	80	2	7	60	512	403	1366	544	200	150
1/0	9	80	1/0	9	80	512	512	1366	599	200	150
2/0	11	80	1	9	80	555	473	1470	667	225	170
2/0	11	80	2/0	11	80	555	555	1470	724	225	170
3/0	17	80	1/0	9	80	603	512	1586	809	250	195
3/0	17	80	3/0	17	80	603	603	1586	879	250	195
4/0	18	80	2/0	11	80	658	555	1718	986	290	225
4/0	18	80	4/0	18	80	658	658	1718	1073	290	225
250	26	95	3/0	17	80	732	603	1897	1183	320	250
350	37	95	4/0	18	80	831	658	2136	1557	385	305
500	37	95	350	37	95	980	831	2496	2200	465	370
750	61	110	500	37	95	1188	980	2998	3195	580	470

+ Ampacity: 90°C conductor temperature, 20°C ambient temperature, RHO factor 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load.