904-543-1223, 800-997-2443, Fax: 904-543-1734, www.paigeelectric.com

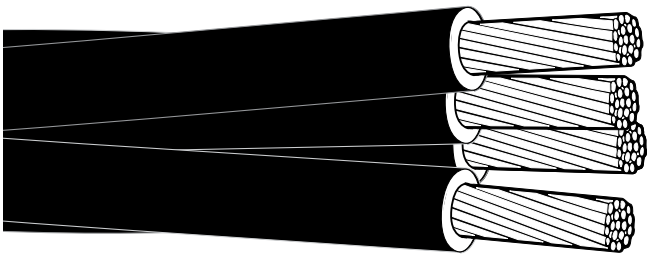
agwire spec

P7328D - AG

QUADRUPLEX 600V SECONDARY UD

INSULATION: **CROSS-LINKED POLYETHYLENE XLP**

CONDUCTORS: **ALUMINUM**



SCOPE:

Used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts.

CONSTRUCTION:

Conductors are stranded, compressed 1350-H16/H26 aluminum insulated with vulcanized interlinked polyethylene. Neutrals are triple yellow extruded stripe. Neutrals have sequential footage markers. Conductors are durably surface printed for identification. Three phase conductors and one neutral conductor are cabled together to produce the quadruplex cabled together to produce the quadruplex cable configuration.

SPECIFICATIONS:

Paige's quadruplex or paralleled 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.

Paige's quadruplex 600 volt secondary UD cable meets or exceeds all applicable requirements of ICEA S-105-692 for cross-linked polyethylene insulated conductors and UL Standard 854 for Type USE-2.

CODE WORD	PHASE CONDUCTOR			NEUTRAL			DIAMETER (mils)		WEIGHT PER 1000 FOOT (lbs.)	ALLOWABLE AMPACITANCE	
	Size (AWG)	Stranding	Insulation Thick (mils)	Size (AWG)	Stranding	Insulation Thick (mils)	Single Pase Conductor	Complete Cable		Direct Burial	In Ducts
QUADRUPLEX WITH YELLOW EXTRUDED STRIPE NEUTRAL											
Tulsa	4	7	60	4	7	60	346	833	255	120	85
Dyke	2						403	973	342	155	115
Notre Dame	1/0	19	80	2			512	1236	534	200	150
Syracuse	2/0			1	19		555	1340	657	225	170
Wake Forest	4/0		90	2/0		80	653	1589	974	290	225
Rust	250	26	80	3/0	17		702	1695	1124	320	
Slipperyrock	350	37	95	4/0	19		831	2006	1544	385	305
Wofford	500	37			18		980	2366	2185	465	

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