

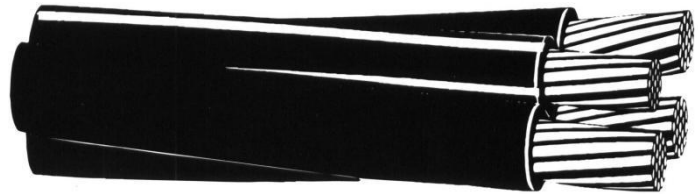
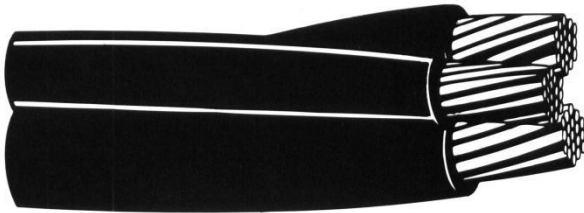
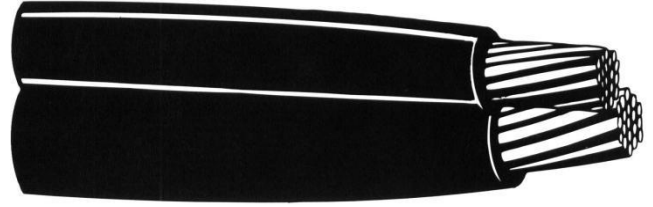


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Single

Duplex

Triplex

Quadruplex

American Standard 600/1000V Underground Secondary UD to IECA-S-105-692 UL standard 854 for Type USE-2

APPLICATION

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

CONSTRUCTION

Conductors are stranded, compressed 1350-H19, H16, or H26 aluminum, insulated with cross-linked polyethylene.

Neutrals are triple yellow extruded stripe.

Single

Code Word	Size (AWG or kcmil)	Stranding	Insul. Thick. (mils)	Diameter (mils)		Weight Per 1000 feet (lbs.)	Allowable Ampacities+	
				Bare	Complete Cable		Direct Burial	In Ducts
Princeton	6	7	60	178	298	44	90	65
Mercer	4	7	60	225	345	63	120	85
Clemson	2	7	60	283	403	92	155	115
Kenyon	1	9	80	313	473	121	175	130
Harvard	1/0	9	80	352	512	146	200	150
Yale	2/0	11	80	395	555	177	225	170
Tufts	3/0	17	80	443	603	215	250	195
Beloit	4/0	18	80	498	658	263	290	225
Hofstra	250	26	95	542	732	315	320	250



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Gonzaga	300	37	95	594	784	369	355	280
Rutgers	350	37	95	641	831	422	385	305
Emory	500	37	95	790	980	580	465	370
Duke	600	61	110	866	1086	699	510	410
Furman	700	61	110	935	1155	803	550	440
Sewanee	750	61	110	968	1188	854	580	470
Fordham	1000	61	110	1117	1337	1109	670	545

+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.

Duplex

Code Word	Phase Conductor			Neutral			Diameter (mils)		Weight Per 1000 feet (lbs.)	Allowable Ampacities+	
	Size (AWG)	Stranding	Insul. Thick. (mils)	Size (AWG)	Stranding	Insul. Thick. (mils)	Single Phase Cond.	Complete Cable		Direct Burial	In Ducts
DUPLEX WITH YELLOW EXTRUDED STRIPE NEUTRAL											
Bard	8	7	60	8	7	60	262	524	64	70	55
Claflin	6	7	60	6	7	60	298	596	89	95	70
Delgado	4	7	60	4	7	60	345	690	127	125	90

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

Triplex

Code Word	Phase Conductor			Neutral			Diameter (mils)		Weight Per 1000 feet (lbs.)	Allowable Ampacities+	
	Size (AWG)	Stranding	Insul. Thick. (mils)	Size (AWG)	Stranding	Insul. Thick. (mils)	Single Phase Cond.	Complete Cable		Direct Burial	In Ducts
TRIPLEXED WITH YELLOW EXTRUDED STRIPE NEUTRAL.											
Erskine	6	7	60	6	7	60	298	644	134	95	70
Vassar	4	7	60	4	7	60	345	745	191	125	90
Stephens	2	7	60	4	7	60	403	870	249	165	120
Ramapo	2	7	60	2	7	60	403	870	278	165	120
Brenau	1/0	9	80	2	7	60	512	1106	387	215	160
Bergen	1/0	9	80	1/0	9	80	512	1106	441	215	160
Converse	2/0	11	80	1	9	80	555	1199	478	245	180



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Hunter	2/0	11	80	2/0	11	80	555	1199	535	245	180
Hollins	3/0	17	80	1/0	9	80	603	1302	581	280	205
Rockland	3/0	17	80	3/0	17	80	603	1302	651	280	205
Sweetbriar	4/0	18	80	2/0	11	80	658	1421	709	315	240
Monmouth	4/0	18	80	4/0	18	80	658	1421	796	315	240
Pratt	250	26	95	3/0	17	80	732	1581	853	345	265
Wesleyan	350	37	95	4/0	18	80	831	1795	1118	415	320
Holyoke	500	37	95	300	37	95	980	2117	1545	495	395
Rider	500	37	95	350	37	95	980	2117	1598	495	395

+Ampacity: 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load. Technical data for cable with solid black neutral is identical to yellow extruded stripe data except for "YES" suffix to code word. Also available in paralleled construction. For NEC Applications, use NEC Table 310.16 Ampacities.

Quadruplex

Code Word	Phase Conductor			Neutral			Diameter (mils)		Weight Per 1000 feet (lbs.)	Allowable Ampacities+	
	Size (AWG)	Stranding	Insul. Thick. (mils)	Size (AWG)	Stranding	Insul. Thick. (mils)	Single Phase Cond.	Complete Cable		Direct Burial	In Ducts
QUADRUPLEX WITH YELLOW EXTRUDED STRIPE NEUTRAL.											
Tulsa	4	7	60	4	7	60	345	833	255	120	85
Dyke	2	7	60	4	7	60	403	973	342	155	115
Wittenberg	2	7	60	2	7	60	403	973	371	155	115
Notre Dame	1/0	9	80	2	7	60	512	1236	534	200	150
Purdue	1/0	9	80	1/0	9	80	512	1236	589	200	150
Syracuse	2/0	11	80	1	9	80	555	1340	657	225	170
Lafayette	2/0	11	80	2/0	11	80	555	1340	713	225	170
Swarthmore	3/0	17	80	1/0	9	80	603	1456	798	250	195
Davidson	3/0	17	80	3/0	17	80	603	1456	868	250	195
Wake Forest	4/0	18	80	2/0	11	80	658	1588	974	290	225
Earlham	4/0	18	80	4/0	18	80	658	1588	1062	290	225
Slipperyrock	350	37	95	4/0	18	80	831	2006	1544	385	305

+Ampacity: 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load. Technical data for cable with solid black neutral is identical to yellow extruded stripe data except for "YES" suffix to code word. Also available in paralleled construction. For NEC Applications, use NEC Table 310.16 Ampacities.



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