



TYPE UF / NMC-B CABLE, 600 VOLT, 2 AND 3 CONDUCTOR WITH OR WITHOUT GROUND

INSULATION: **POLYVINYL CHLORIDE (PVC)**

JACKET: **POLYVINYL CHLORIDE (PVC)**

SIZES: **14 – 6 AWG**

60°C Dry/Wet



1.0 APPLICATIONS:

- 1.1** Direct Burial Underground feeder cable with or without ground and a sunlight-resistant PVC overall jacket.

2.0 FEATURES:

UL Listed and OSHA acceptable. In accordance with Articles 336 and 339 of the National Electrical Code (and subject to local code requirements), Type UF cables may be used for underground feeder or branch-circuit wiring for installation above or below ground, including direct burial, and in wet or corrosive locations. Multi-conductor Type UF (Type NMC-B) cables may also be used for exposed or concealed interior wiring in wet, dry or corrosive locations and in cable trays.

3.0

Maximum Conductor Temp. and Voltage Rating			
TYPE	WET	DRY	VOLTAGE
UF	60°C	60°C	600V
*NMC-B	60°C	60°C	600V

*14-10AWG only

CONSTRUCTION:

3.1 Conductors:

(for Multi-conductor cables only):

Sizes 14, 12, & 10 AWG: Solid, annealed bare copper per ASTM B-3, UL-493 and UL-719. Sizes 8 & 6 AWG: Concentric, compressed stranded (Class B).

3.2 Conductors:

(for Single Conductor cable only)

Sizes 14, 12, 10 & 8 AWG: Solid, annealed bare copper per ASTM B-3, UL-493. Sizes 6 to 4/0 AWG: Concentric, compressed stranded (Class B) ASTM B-3, UL-493.

3.3 Insulation:

For Multi-conductor cable only: Polyvinyl Chloride (PVC). UL-493 and UL-719.

3.4 Ground Wire:

For 2 or 3 conductor cable with ground. Solid, annealed bare copper per ASTM B-3.

3.5 Cable Assembly:

Multi-conductor cables are assembled flat parallel. For cables with ground, the ground wire is placed between two of the insulated conductors.

3.6 Overall Jacket:

(integral jacket and insulation for single conductor cable) Sunlight, moisture and fungus-resistant. Gray PVC UL-493 and UL-719.

3.7 Color Code:

Two-conductor cable: Black, White Three conductor cable: Black, White, Red.

MARKINGS:

4.0

4.1 Single Conductor Cable:

Ink print on jacket "(size) AWG Type UF 600 Volts Sunlight Resistant (UL)"

4.2 Multi-conductor Cable w/ Ground:

Ink print on jacket "(size) AWG/(# of conds.) W.G. Type UF 600 Volts Sunlight Resistant (UL)"

4.3 Multi-conductor Cable w/o Ground:

Ink print on jacket "(size) AWG/(# of conds.). Type UF 600 Volts Sunlight Resistant (UL)"

5.0 Cable Data

Paige Part #	Conductor Size	Number of Insulated Conductors	Ground Size	Power Conductor Stranding	Insulation Thickness		Jacket Thickness		Cable O.D.		Cable Weight	Ampacity UF or NMC-B 60°C
	AWG		AWG		Inches	mm	Inches	mm	Inches	mm	lb/mft	
7295SP1	14	N/A		Solid	0.060	1.524	...	...	0.188	4.775	28	15
7295SP2	12	N/A		Solid	0.060	1.524	...	...	0.205	5.207	38	20
7295SP3	10	N/A		Solid	0.060	1.524	...	...	0.226	5.740	52	30
7295SP4	8	N/A		Solid	0.080	2.032	...	...	0.296	7.518	87	40
7295SP5	6	N/A		7/.0612	0.080	2.032	...	...	0.352	8.940	123	55
7295SP6	4	N/A		7/.0772	0.080	2.032	...	...	0.400	10.160	183	70
7295SP7	2	N/A		7/.0972	0.080	2.032	...	...	0.460	11.684	270	95
7295SP8	1/0	N/A		19/.0745	0.095	2.413	...	...	0.573	14.554	415	125
7295SP9	2/0	N/A		19/.0837	0.095	2.413	...	...	0.618	15.697	508	145
7295SP10	3/0	N/A		19/.0940	0.095	2.413	...	...	0.670	17.018	634	165
7295SP11	4/0	N/A		19/.1055			...	...				195
170010	14	2	N/A	Solid	0.030	0.762	0.030	0.762	.210 x .435	5.334 x 11.049	67	15
170030	12	2	N/A	Solid	0.030	0.762	0.030	0.762	.220 x .445	5.588 x 11.303	84	20
170050	10	2	N/A	Solid	0.030	0.762	0.030	0.762	.240 x .475	6.096 x 12.065	114	30
170070	8	2	N/A	7/.0486	0.045	1.143	0.045	1.143	.340 x .700	8.636 x 17.780	206	40
7295SP12	6	2	N/A	7/.0612	0.060	1.524	0.045	1.143	.410 x .900	10.414 x 22.86	326	55
170020	14	3	N/A	Solid	0.030	0.762	0.030	0.762	.210 x .600	5.334 x 15.24	97	15
170040	12	3	N/A	Solid	0.030	0.762	0.030	0.762	.215 x .640	5.461 x 16.256	128	20
170060	10	3	N/A	Solid	0.030	0.762	0.030	0.762	.245 x .700	6.223 x 17.78	172	30
170080	8	3	N/A	7/.0486	0.045	1.143	0.045	1.143	.345 x 1.040	8.763 x 26.416	308	40
7295SP13	6	3	N/A	7/.0612	0.060	1.524	0.045	1.143	.415 x 1.260	10.541 x 32.004	469	55
170090	14	2	14	Solid	0.030	0.762	0.030	0.762	.210 x .445	5.334 x 11.303	78	15
7295SP14	12	2	12	Solid	0.030	0.762	0.030	0.762	.235 x .495	5.969 x 12.573	109	20
7295SP15	10	2	10	Solid	0.030	0.762	0.030	0.762	.240 x .570	6.096 x 14.478	155	30
7295SP16	8	2	10	7/.0486	0.045	1.143	0.045	1.143	.340 x .700	8.636 x 17.780	230	40
7295SP17	6	2	10	7/.0612	0.060	1.524	0.045	1.143	.410 x .900	10.414 x 22.86	383	55
7295SP18	14	3	14	Solid	0.030	0.762	0.030	0.762	.210 x .650	5.334 x 16.51	110	15
7295SP19	12	3	12	Solid	0.030	0.762	0.030	0.762	.225 x .720	5.7150 x 18.288	147	20
7295SP20	10	3	10	Solid	0.030	0.762	0.030	0.762	.245 x .800	6.223 x 20.32	218	30
7295SP21	8	3	10	7/.0486	0.045	1.143	0.045	1.143	.345 x 1.040	8.7630 x 26.416	346	40
7295SP22	6	3	10	7/.0612	0.045	1.143	0.045	1.143				55

Allowable ampacity of not more than three conductors in raceway or cable or earth (directly buried), based on ambient temperature of 30°C per 1987 National Electrical Code (NFPA 70-1987).