



P7295-SP

**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.

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

**3.0**

\*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.

**4.0**

**MARKINGS:**

**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

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