



## Weatherproof Line Wire

### HMW-PE / Copper

#### Solid/Stranded

#### Soft, Medium Hard, Hard Drawn

#### Description:

Copper conductor, solid or stranded, soft (annealed), medium hard, or hard drawn, covered with black high molecular weight polyethylene (HMW-PE).

#### Application:

For use in overhead distribution systems where protection from environmental elements is required.

#### Standards:

Service Wire line conforms to ASTM standards:

- B-1 (Hard Drawn)
- B-2 (Medium Hard Drawn)
- B-3 (Soft or Annealed)
- B-8 (Concentric Stranded Copper)
- Strand Class A, AA (1 - 4/0)

Service Wire line wire conforms to ANSI C8.35 / ICEA S-70-547  
RoHS Compliant

Part Number	Size AWG or MCM	Stranding	Covering Thickness (mils)	Nominal Diameter Overall (inch)	Approx. Net Weight per 1000 feet (lbs.)	DC Resistance (Ohms per 1000 ft.) @ 20° C			Ampacity* (Amps)
						Hard Drawn	Medium Drawn	Soft (Annealed)	
PESOS6	6	Solid	30	.22	86.7	.4110	4088	.3952	130
PESOS4	4	Solid	30	.26	135.2	.2584	.2571	.2485	163
PEST7S4	4	7	30	.29	138.6	.2636	.2622	.2540	163
PESOS2	2	Solid	45	.35	218.3	.1625	.1617	.1563	219
PEST7S2	2	7	45	.38	223.6	.1660	.1650	.1590	219
PEST7S1	1	7	45	.42	283.6	.1316	.1309	.1265	--
PEST7S1/0	1/0	7	60	.49	357.5	.1042	.1037	.1002	297
PEST7S2/0	2/0	7	60	.53	446.1	.0826	.0822	.0795	344
PEST7S3/0	3/0	7	60	.58	556.9	.0655	.0652	.0630	401
PEST7S4/0	4/0	7	60	.64	696.4	.0519	.0517	.0499	466
PEST37S250	250	37	60	.70	818.8	.0440	.0438	.0423	519
PEST37S350	350	37	60	.80	1,136.1	.0314	.0313	.0302	--
PEST37S500	500	37	80	.97	1,626.2	.0220	.0219	.0212	812
PEST37S750	750	61	80	1.16	2,415.2	.0146	.0146	.0141	1,050
PEST37S1000	1000	61	95	1.34	3,234.0	.0110	.0109	.0106	1,253

\*Per NEC Table 310-21. Based on conductor temperature of 80° C; ambient temperature of 40° C; 2 ft./sec. wind.

NOTE: The data shown is approximate and subject to standard industry tolerances.