



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:

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

Standards:

ASTM standards:

- B-1 (hard drawn)
- B-2 (medium hard drawn)
- B-3 (soft or annealed)
- B-8 (concentric lay stranded)
- Strand Class A, AA (#1 AWG - 4/0 AWG)

ANSI C8.35/ICEA S-70-547

Sunlight Resistant

RoHS Compliant

	Part Number	Size AWG or Kcmil	Stranding	Covering Thickness (mils)	Nominal Diameter Overall (inch)	DC Resistance (OHMS/1000') @ 20°C			Approx. Net Weight (lb/1000')	Ampacity* (amps)
						Hard Drawn	Medium Drawn	Soft (annealed)		
WEATHERPROOF LINE WIRE	PESOS6	6	1	30	0.22	0.411	0.409	0.395	87	130
	PESOS4	4	1	30	0.26	0.258	0.257	0.249	135	163
	PEST7S4	4	7	30	0.29	0.264	0.262	0.254	139	163
	PESOS2	2	1	45	0.35	0.163	0.162	0.156	218	219
	PEST7S2	2	7	45	0.38	0.166	0.165	0.159	224	219
	PEST7S1	1	7	45	0.42	0.132	0.131	0.127	284	258
	PEST7S1/0	1/0	7	60	0.49	0.104	0.104	0.100	358	297
	PEST7S2/0	2/0	7	60	0.53	0.083	0.082	0.080	446	344
	PEST7S3/0	3/0	7	60	0.58	0.066	0.065	0.063	557	401
	PEST7S4/0	4/0	7	60	0.64	0.052	0.052	0.050	696	466
	PEST37S250	250	37	60	0.70	0.044	0.044	0.042	819	519
	PEST37S350	350	37	60	0.80	0.031	0.031	0.030	1,136	645
	PEST37S500	500	37	80	0.97	0.022	0.022	0.021	1,626	812
	PEST37S750	750	61	80	1.16	0.015	0.015	0.014	2,415	1,050
PEST37S1000	1000	61	95	1.34	0.011	0.011	0.011	3,234	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.