COVERED COPPER— OVERHEAD CONDUCTOR- PE & XLP

Description
Solid or stranded copper conductors covered with hmw or cross-linked (XLP) polyethylene. Available in soft, medium hard, or hard tempers.

Application
Primary and secondary distribution on pole lines, service from pole to weatherhead, distribution indoors and out. Mining, industrial, railroad, and other applications.

Specifications

ASTM B-1	Hard-drawn copper wire
ASTM B-2	Medium-hard drawn copper wire
ASTM B-3	Soft or annealed copper wire
ASTM B-8	Concentric-lay-stranded copper conductors: soft, medium-hard, or hard temper
ASTM D-1248	Polyethylene plastics, molding and extrusion materials
ANSI C-8.35	Specifications for weather-resistant polyethylene covered wire and cable

SOLID

				Weight per 1000 ft. (lbs.)			
Size (AWG)	**Stranding**	**Insulation Thickness (mils.)**	**Copper Content per 1000 ft. (lbs.)**	**Polyethylene**	**XLP**	**DC Resistance OHMS/1000 ft. @ 20°C**	**Allowable Ampacity+**
14	Solid	30	12.43	16	16.5	2.67	32
12	Solid	30	19.77	24	24.6	1.68	41
10	Solid	30	31.43	36.5	37.1	1.06	68
8	Solid	30	49.98	56	56.8	.659	92
6	Solid	30	79.46	87	87.8	0.411	130
4	Solid	30	126.40	136	137	0.258	170
3	Solid	45	159.30	176	177.4	0.205	195
2	Solid	45	200.90	219	222	0.163	225
1	Solid	45	253.30	273	277	.130	260
1/0	Solid	60	319.40	350	355	.102	300
2/0	Solid	60	402.80	437	443	.0813	350
3/0	Solid	60	507.80	612	629	.0645	405
4/0	Solid	60	640.50	685	682	.0511	470

OVERHEAD CONDUCTOR— PE & XLP (continued)

STRANDED							
				Weight per 1000 ft. (lbs.)			
Size (AWG)	Stranding	Insulation Thickness (mils.)	Copper Content per 1000 ft. (lbs.)	Polyethylene	XLP	DC Resistance OHMS/1000 ft. @ 20°C	Allowable Ampacity+
6	7	30	81.1	91.5	92	0.503	130
4	7	30	128.9	143	144	0.316	175
3	7	45	162.5	179	182	0.213	200
2	7	45	204.9	230	233	0.199	230
1	7	45	258.4	287	291	0.134	265
1/0	7	60	325.8	367	372	0.125	305
1/0	19	60	325.8	367	372	0.106	310
2/0	7	60	410.9	458	464	0.992	350
2/0	19	60	410.9	458	464	0.0842	360
3/0	7	60	518.1	572	578	0.0788	405
3/0	19	60	518.1	572	578	0.0667	415
4/0	7	60	653.3	715	722	0.0625	465
4/0	19	60	653.3	715	722	0.0524	485
250	19	60	771.9	834	842	0.0530	520
300	19	60	926.3	996	1005	0.0442	580
350	19	60	1081.0	1157	1166	0.0380	640
500	37	75	1544.0	1648	1659	0.0278	785
750	61	90	2316.0	2481	2494	0.0182	995
1000	61	90	3088.0	3280	3234	0.0140	1180

Manufactured with pride in DeKalb, IL, USA
+ Ampacity based on 75°C conductor temperature; 25°C ambient temperature; 2 ft./sec. wind in sun
Alternate insulation thicknesses available upon request