



Triplex Copper XLPE Service Drop Neutral - Messenger

Copper Conductors With Crosslinked Polyethylene Insulation.



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Conductors are stranded, compressed copper
2. **Insulation:** Cross Linked Polyethylene (XLPE)
3. **Messenger:** Hard Drawn Copper

APPLICATIONS AND FEATURES:

Primarily used for 120 volt overhead service applications such as street lighting, outdoor lighting, and temporary service for construction. To be used at voltages of 600 volts phase-to-phase or less and at conductor temperatures not to exceed 90°C for crosslinked polyethylene (XLP) insulated conductors.

SPECIFICATIONS:

- ASTM B1 Hard-Drawn Copper
- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- ICEA S-76-474 Standard for Neutral-Supported Power Cable Assemblies with Weather-Resistant Extruded Insulation Rated 600V



Table 1 – Weights and Measurements

Stock Number	Code Word	Phase Cond. Size	Phase Strand	Dia. Over Phase Conductor	Phase Insul. Thickness	Dia. Over Phase Insulation	Neutral Cond. Size	Neutral Strand	Approx. OD	Approx. Weight
		AWG/Kcmil	No.	inch	mil	inch	AWG/Kcmil	No.	inch	lb/1000ft
TBA	Columbian	8	Solid	0.128	30	0.188	8	1	0.408	237
TBA	Garamond	8	7	0.141	30	0.201	8	7	0.436	240
TBA	Bodoni	8	7	0.141	30	0.201	8	1	0.436	240
TBA	Gothic	6	7	0.177	30	0.237	6	7	0.514	370
TBA	Tudor	6	7	0.177	30	0.237	8	1	0.514	340
110718	Futura	6	7	0.177	30	0.237	6	1	0.578	270
TBA	Ionic	4	7	0.225	30	0.285	4	1	0.618	577
110759	Caslon	4	7	0.225	30	0.285	4	7	0.680	423
110734	Nonpareil	4	7	0.225	30	0.285	6	1	0.680	373
324640	Century	2	7	0.282	45	0.372	2	7	0.805	660
110775	Primer	2	7	0.282	45	0.372	4	7	0.805	584
110767	Minion	2	7	0.282	45	0.372	4	1	0.805	582
110791	Corinthian	1/0	19	0.361	60	0.481	1/0	7	1.041	1053
110809	Doric	2/0	19	0.405	60	0.525	2/0	7	1.136	1317
110825	Composite	4/0	19	0.512	60	0.632	4/0	7	1.365	2069

All dimensions are nominal and subject to normal manufacturing tolerances

Table 2 – Electrical and Engineering Data

Code Word	Phase Cond. Size	Neutral Rated Breaking Strength	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	GMR	Allowable Ampacity In Air 90°C
	AWG/Kcmil	lb	Ω/1000ft	Ω/1000ft	Ω/1000ft	ft	Amp
Columbian	8	826	0.653	0.786	0.052	0.004	70 / 80
Garamond	8	777	0.653	0.786	0.052	0.004	70 / 80
Bodoni	8	826	0.653	0.786	0.052	0.004	70 / 80
Gothic	6	1228	0.411	0.495	0.051	0.005	95 / 105
Tudor	6	826	0.411	0.495	0.051	0.005	95 / 105
Futura	6	1280	0.411	0.495	0.051	0.005	95 / 105
Ionic	4	1970	0.258	0.310	0.048	0.007	125 / 140
Caslon	4	1938	0.258	0.310	0.048	0.007	125 / 140
Nonpareil	4	1280	0.258	0.310	0.048	0.007	125 / 140
Century	2	3050	0.162	0.195	0.045	0.008	170 / 190
Primer	2	1938	0.162	0.195	0.045	0.008	170 / 190
Minion	2	1970	0.162	0.195	0.045	0.008	170 / 190
Corinthian	1/0	4752	0.102	0.122	0.044	0.011	230 / 260
Doric	2/0	5926	0.081	0.097	0.043	0.013	265 / 300
Composite	4/0	5926	0.051	0.062	0.041	0.016	360 / 405

