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

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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	0.129	45	0.219	8	1	0.473	217
TBA	GARAMOND	8	7	0.142	45	0.232	8	7	0.501	218
TBA	BODONI	8	7	0.142	45	0.232	8	1	0.501	218
TBA	GOTHIC	6	7	0.178	45	0.268	6	7	0.579	341
110718	FUTURA	6	7	0.178	45	0.489	6	1	0.579	271
TBA	TUDOR	6	7	0.178	45	0.268	8	1	0.579	311
110759	CASLON	4	7	0.225	45	0.59	4	7	0.68	423
TBA	IONIC	4	7	0.225	45	0.315	4	1	0.68	537
110734	NONPAREIL	4	7	0.225	45	0.59	6	1	0.68	374
324640	CENTURY	2	7	0.283	45	0.716	2	7	0.806	661
110775	PRIMER	2	7	0.283	45	0.716	4	7	0.806	585
110767	MINION	2	7	0.283	45	0.716	4	1	0.806	582
110791	CORINTHIAN	1/0	19	0.362	60	0.921	1/0	7	1.041	1053
110809	DORIC	2/0	19	0.405	60	1.016	2/0	7	1.136	1318
110825	COMPOSITE	4/0	19	0.512	60	1.245	4/0	7	1.365	2069

All dimensions are nominal and subject to normal manufacturing tolerances
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

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 75/90°C
	AWG/Kcmil	lb	Ω/1000ft	Ω/1000ft	Ω/1000ft	ft	Amp
COLUMBIAN	8	826	0.653	0.81	0.052	0.053	80
GARAMOND	8	777	0.653	0.81	0.052	0.053	80
BODONI	8	826	0.653	0.81	0.052	0.053	80
GOTHIC	6	1228	0.411	0.51	0.051	0.067	105
FUTURA	6	1280	0.411	0.51	0.051	0.067	105
TUDOR	6	826	0.411	0.51	0.051	0.067	105
CASLON	4	1938	0.258	0.32	0.048	0.084	140
IONIC	4	1970	0.258	0.32	0.048	0.084	140
NONPAREIL	4	1280	0.258	0.32	0.048	0.084	140
CENTURY	2	3050	0.162	0.201	0.045	0.105	190
PRIMER	2	1938	0.162	0.201	0.045	0.105	190
MINION	2	1970	0.162	0.201	0.045	0.105	190
CORINTHIAN	1/0	4752	0.102	0.127	0.044	0.139	260
DORIC	2/0	5926	0.082	0.102	0.043	0.156	300
COMPOSITE	4/0	5926	0.051	0.063	0.041	0.197	405

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