ONEMONROE
TITAN

MEDIUM VOLTAGE CABLE

How can we help?

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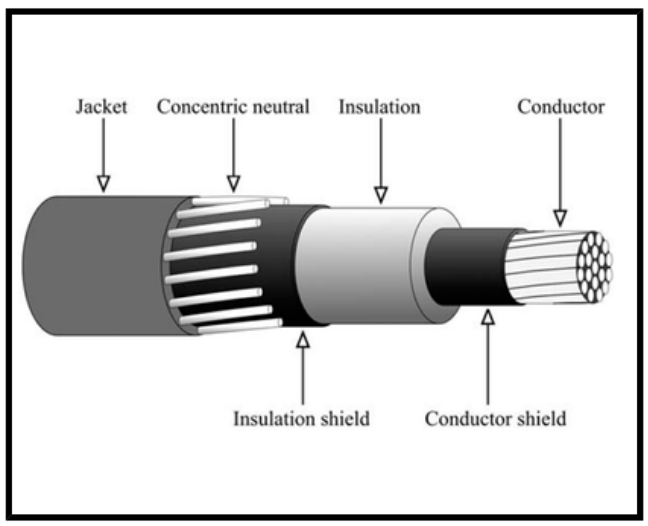
(888)356 -1662

1105 Marietta Way
Sparks, NV 89431

Medium Voltage Cable

5-46kV TRXLPE URD

(Tape Shield)



Description:

Single conductor cable with aluminum or copper conductors, triple extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength VOLTALENE™ TRXLPE insulation, thermosetting semiconducting insulation shield, copper concentric neutral wires, black encapsulating linear low-density polyethylene (LLDPE) jacket.

Options:

- Black LLDPE jacket with no stripes
- Black PVC jacket sleeved over separator tape
- No Jacket
- Multiplex cables
- Tinned round and flat strap neutrals
- Compact stranded conductors
- Strandseal®
- Super smooth conductor shield
- UL MV-90 Rating if required
- 46kV
- RUS Bulletin 1728F-U1 where applicable

Installation:

- Conduit in Air
- Underground Duct
- Direct Buried
- Isolated in Air
- Wet Locations
- Dry Locations
- With Messenger
- Utility Primary

Specifications and Ratings:

- AEIC- AEIC CS8 / ICEA- ICEA S-94-649
- *For 90°C continuous, 130°C emergency, 250°C short-circuit operation.*

Design Parameters:

CONDUCTOR: Solid or Class B
Compressed concentric strand Aluminum alloy 1350 or soft drawn annealed copper per ASTM.

Conductor Shield:

Extruded thermosetting semiconducting shield which is free stripping from the conductor and bonded to the insulation.

Insulation:

Natural high dielectric strength VOLTENE™ TRXLPE insulation, exhibiting an optimum balance of mechanical and electrical properties, insuring resistance to treeing.

Insulation Shield:

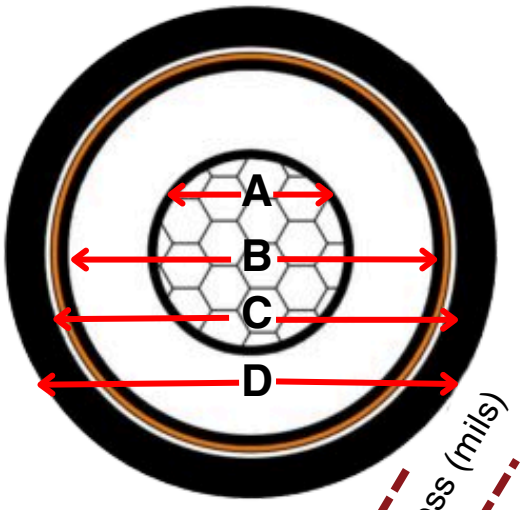
Extruded thermosetting semiconducting shield with controlled adhesion to the insulation providing the required balance between electrical integrity and ease of stripping. .

Metallic Shield:

Solid bare copper wires, helically applied and uniformly spaced.

Jacket:

Black insulating sunlight resistant linear low density polyethylene encapsulating the neutral wires with three extruded red stripes and NESC lightning
bolt symbol.



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5kV TRXLPE URD- 100%

Medium Voltage Utility Cables

CONDUCTOR			(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
Insulation Thickness (mils)			Concentric Neutral	Conductor Diametrer (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance
5KV 100% Aluminum Single Phase - Full Neutral																			
2 SOLID AL	90	10-#14	0.258	0.48	0.55	0.79	360	7	119	663	24	663	25	169	663	24	663	25
2 AWG AL	90	10-#14	0.284	0.51	0.58	0.82	375	7	120	669	25	669	25	170	669	25	669	25
1 SOLID AL	90	13-#14	0.289	0.52	0.58	0.82	422	7	136	518	23	518	23	193	518	23	518	23
1 AWG AL	90	13-#14	0.324	0.55	0.62	0.86	439	7	138	523	22	523	22	195	523	22	523	22
1/0 SOLID AL	90	16-#14	0.325	0.55	0.62	0.86	490	7	155	415	22	415	22	219	415	22	415	22
1/0 AWG AL	90	16-#14	0.364	0.59	0.66	0.90	509	8	156	420	21	420	21	220	420	21	420	21
2/0 AWG AL	90	13-#12	0.408	0.63	0.70	0.97	627	8	181	328	21	328	20	251	328	21	328	20
3/0 AWG AL	90	16-#12	0.458	0.68	0.75	1.02	736	9	206	263	20	263	19	285	263	20	263	19
4/0 AWG AL	90	13-#10	0.515	0.74	0.81	1.12	914	9	237	207	19	207	19	323	207	19	207	19
250 MCM AL	90	16-#10	0.561	0.80	0.86	1.18	1076	10	264	171	18	171	18	358	171	18	171	18
350 MCM AL	90	16-#9	0.664	0.90	0.97	1.30	1362	11	314	130	17	130	17	421	130	17	130	17
5KV 100% Aluminum Three Phase - One-Third Neutral																			
2 SOLID AL	90	6-#14	0.258	0.48	0.55	0.79	313	7	123	329	46	876	25	178	340	103	864	25
2 AWG AL	90	6-#14	0.284	0.51	0.58	0.82	329	7	123	335	46	883	25	179	346	102	872	25
1 SOLID AL	90	6-#14	0.289	0.52	0.58	0.82	340	7	140	261	45	809	23	202	272	100	798	23
1 AWG AL	90	6-#14	0.324	0.55	0.62	0.86	357	7	140	266	44	815	22	203	276	98	804	22
1/0 SOLID AL	90	6-#14	0.325	0.55	0.62	0.86	373	7	159	207	43	756	22	229	217	98	746	22
1/0 AWG AL	90	6-#14	0.364	0.59	0.66	0.90	393	8	160	212	42	762	21	229	222	96	752	21
2/0 AWG AL	90	7-#14	0.408	0.63	0.70	0.94	447	8	182	168	40	640	20	258	179	93	632	20
3/0 AWG AL	90	9-#14	0.458	0.68	0.75	0.99	522	8	208	133	39	500	19	290	146	89	495	19
4/0 AWG AL	90	11-#14	0.515	0.74	0.81	1.05	608	9	237	107	38	407	18	323	122	85	403	18
250 MCM AL	90	13-#14	0.561	0.80	0.86	1.10	693	9	261	91	37	344	17	348	107	82	342	17
350 MCM AL	90	18-#14	0.664	0.90	0.97	1.20	887	10	314	66	35	249	15	399	86	75	247	15
500 MCM AL	90	16-#12	0.794	1.03	1.12	1.39	1219	12	381	48	34	175	15	449	70	66	174	15
750 MCM AL	90	24-#12	0.974	1.22	1.30	1.58	1691	13	464	34	32	117	14	505	58	54	117	14
1000 MCM AL	90	20-#10	1.124	1.37	1.45	1.83	2255	15	522	29	31	89	13	541	51	45	88	13

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

The above dimensions are approximate and subject to normal manufacturing tolerances
Single Phase Impedance Values Assume Full Return in the Metallic Shield.

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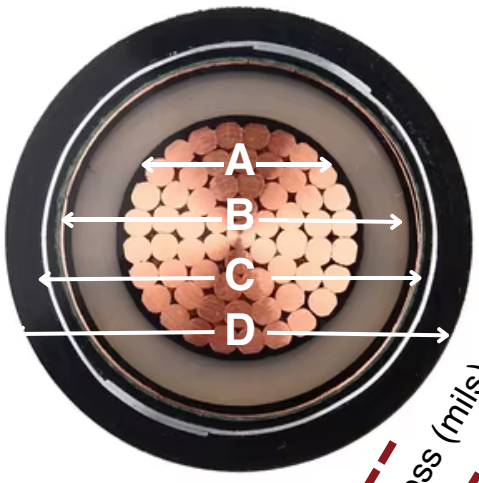

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5kV TRXLPE URD- 100%

Medium Voltage Utility Cables

CONDUCTOR			(A) Insulation Thickness (mils)	(B) Concentric Neutral	(C) Conductor Diametrer (in)	(D) Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	90°C In Duct					90°C Direct Burled				
											‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Impedance	Zero Sequence Resistance ††	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Impedance	Zero Sequence Resistance ††
5kV 100% Copper Single Phase – Full Neutral																				
2 SOLID CU	90	16-#14	0.258	0.48	0.55	0.79	570	7	152	408	25	408	25	215	408	25	408	25		
2 AWG CU	90	16-#14	0.284	0.51	0.58	0.82	584	7	153	412	25	412	25	217	412	25	412	25		
1 SOLID CU	90	13-#12	0.289	0.52	0.58	0.85	704	7	175	318	24	318	24	245	318	24	318	24		
1 AWG CU	90	13-#12	0.324	0.55	0.62	0.89	724	8	176	322	23	322	23	247	322	23	322	23		
1/0 SOLID CU	90	16-#12	0.325	0.55	0.62	0.89	841	8	198	256	23	256	22	277	256	23	256	22		
1/0 AWG CU	90	16-#12	0.364	0.59	0.66	0.93	862	8	200	258	22	258	22	280	258	22	258	22		
2/0 AWG CU	90	13-#10	0.408	0.63	0.70	1.02	1076	9	231	203	22	203	21	317	203	22	203	21		
3/0 AWG CU	90	16-#10	0.458	0.68	0.75	1.07	1291	9	262	163	20	163	20	359	163	20	163	20		
4/0 AWG CU	90	16-#9	0.515	0.74	0.81	1.15	1590	10	300	130	20	130	19	407	130	20	130	19		
5kV 100% Copper Three Phase – One-Third Neutral																				
2 SOLID CU	90	6-#14	0.258	0.48	0.55	0.79	453	7	157	200	46	747	25	227	211	103	735	25		
2 AWG CU	90	6-#14	0.284	0.51	0.58	0.82	468	7	158	203	46	752	25	228	214	102	740	25		
1 SOLID CU	90	7-#14	0.289	0.52	0.58	0.82	527	7	179	159	44	628	23	256	171	100	619	23		
1 AWG CU	90	7-#14	0.324	0.55	0.62	0.86	545	7	180	162	44	633	22	256	174	98	624	22		
1/0 SOLID CU	90	9-#14	0.325	0.55	0.62	0.86	630	7	204	126	43	492	22	286	141	96	485	22		
1/0 AWG CU	90	9-#14	0.364	0.59	0.66	0.90	651	8	205	129	42	495	21	287	143	94	489	21		
2/0 AWG CU	90	11-#14	0.408	0.63	0.70	0.94	775	8	233	103	40	402	20	320	119	90	398	20		
3/0 AWG CU	90	14-#14	0.458	0.68	0.75	0.99	934	8	265	82	39	317	19	353	101	85	314	19		
4/0 AWG CU	90	18-#14	0.515	0.74	0.81	1.05	1136	9	301	66	38	248	18	385	88	79	247	18		
250 MCM CU	90	21-#14	0.561	0.80	0.86	1.10	1317	9	330	57	36	212	17	409	80	75	211	17		
350 MCM CU	90	18-#12	0.664	0.90	0.97	1.24	1780	10	393	42	35	154	16	452	68	65	154	16		
500 MCM CU	90	17-#10	0.794	1.03	1.12	1.43	2521	12	464	32	34	105	15	494	58	53	104	15		
750 MCM CU	90	20-#9	0.974	1.22	1.30	1.70	3718	14	540	26	35	72	14	552	48	40	71	14		
1000 MCM CU	90	21-#8	1.124	1.37	1.45	1.88	4847	16	586	23	29	54	13	607	41	31	53	13		

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

The above dimensions are approximate and subject to normal manufacturing tolerances
Single Phase Impedance Values Assume Full Return in the Metallic Shield.

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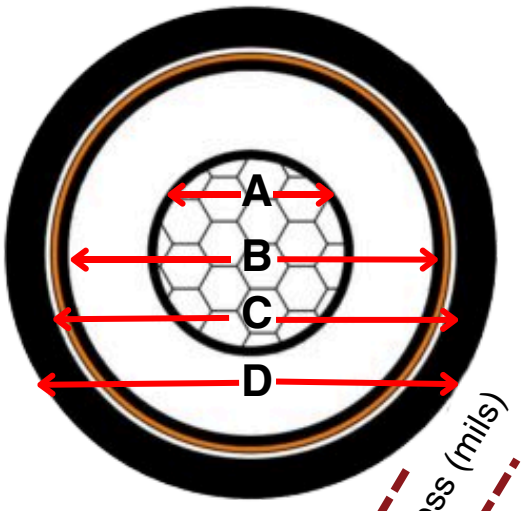

ONEMONROE TITAN

5kV TRXLPE URD- 133%

Medium Voltage Utility Cables

CONDUCTOR			(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
	Insulation Thickness (mils)	Concentric Neutral	Conductor Diametrer (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance Resistance ††	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Impedance Resistance ††	
5kV 133% Aluminum Single Phase - Full Neutral																		
2 SOLID AL	115	10-#14	0.258	0.53	0.60	0.84	386	7	119	663	24	663	25	169	663	24	663	25
2 AWG AL	115	10-#14	0.284	0.56	0.63	0.87	402	7	120	669	25	669	25	170	669	25	669	25
1 SOLID AL	115	13-#14	0.289	0.57	0.63	0.87	449	7	136	518	23	518	23	193	518	23	518	23
1 AWG AL	115	13-#14	0.324	0.60	0.67	0.91	467	8	138	523	22	523	22	195	523	22	523	22
1/0 SOLID AL	115	16-#14	0.325	0.60	0.67	0.91	518	8	155	415	22	415	22	219	415	22	415	22
1/0 AWG AL	115	16-#14	0.364	0.64	0.71	0.95	539	8	156	420	21	420	21	220	420	21	420	21
2/0 AWG AL	115	13-#12	0.408	0.68	0.75	1.02	659	9	181	328	21	328	20	251	328	21	328	20
3/0 AWG AL	115	16-#12	0.458	0.73	0.80	1.07	769	9	206	263	20	263	19	285	263	20	263	19
4/0 AWG AL	115	13-#10	0.515	0.79	0.86	1.17	951	10	237	207	19	207	19	323	207	19	207	19
250 MCM AL	115	16-#10	0.561	0.85	0.91	1.23	1115	10	264	171	18	171	18	358	171	18	171	18
350 MCM AL	115	16-#9	0.664	0.95	1.02	1.35	1405	11	314	130	17	130	17	421	130	17	130	17
5kV 133% Aluminum Three Phase - One-Third Neutral																		
2 SOLID AL	115	6-#14	0.258	0.53	0.60	0.84	339	7	123	329	46	876	25	178	340	103	864	25
2 AWG AL	115	6-#14	0.284	0.56	0.63	0.87	356	7	123	335	46	883	25	179	346	102	872	25
1 SOLID AL	115	6-#14	0.289	0.57	0.63	0.87	367	7	140	261	45	809	23	202	272	100	798	23
1 AWG AL	115	6-#14	0.324	0.60	0.67	0.91	385	8	140	266	44	815	22	203	276	98	804	22
1/0 SOLID AL	115	6-#14	0.325	0.60	0.67	0.91	401	8	159	207	43	756	22	229	217	98	746	22
1/0 AWG AL	115	6-#14	0.364	0.64	0.71	0.95	422	8	160	212	42	762	21	229	222	96	752	21
2/0 AWG AL	115	7-#14	0.408	0.68	0.75	0.99	478	8	182	168	40	640	20	258	179	93	632	20
3/0 AWG AL	115	9-#14	0.458	0.73	0.80	1.04	554	9	208	133	39	500	19	290	146	89	495	19
4/0 AWG AL	115	11-#14	0.515	0.79	0.86	1.10	642	9	237	107	38	407	18	323	122	85	403	18
250 MCM AL	115	13-#14	0.561	0.85	0.91	1.15	729	10	261	91	37	344	17	348	107	82	342	17
350 MCM AL	115	18-#14	0.664	0.95	1.02	1.25	926	11	314	66	35	249	15	399	86	75	247	15
500 MCM AL	115	16-#12	0.794	1.08	1.17	1.44	1264	12	381	48	34	175	15	449	70	66	174	15
750 MCM AL	115	24-#12	0.974	1.27	1.35	1.63	1742	14	464	34	32	117	14	505	58	54	117	14
1000 MCM AL	115	20-#10	1.124	1.42	1.50	1.88	2314	16	522	29	31	89	13	541	51	45	88	13

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

The above dimensions are approximate and subject to normal manufacturing tolerances
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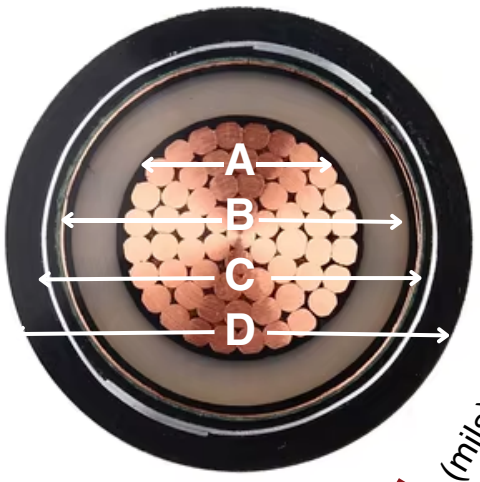

ONEMONROE TITAN

5kV TRXLPE URD- 133%

Medium Voltage Utility Cables

CONDUCTOR			Insulation Thickness (mils) (A)	Concentric Neutral (B)	Conductor Diametrer (in) (C)	Insulation Diameter (in) (D)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	90°C In Duct: ‡ Ampacity (Amps)	90°C In Duct: +/- Sequence Resistance	90°C In Duct: +/- Sequence Impedance	90°C In Duct: Zero Sequence Impedance	90°C In Duct: Zero Sequence Impedance Resistance ††	90°C Direct Buried: ‡ Ampacity (Amps)	90°C Direct Buried: +/- Sequence Resistance	90°C Direct Buried: +/- Sequence Impedance	90°C Direct Buried: Zero Sequence Impedance	90°C Direct Buried: Zero Sequence Impedance Resistance ††
5kV 133% Copper Single Phase - Full Neutral																				
2 SOLID CU	115	16-#14	0.258	0.53	0.60	0.84	596	7	152	408	25	408	25	215	408	25	408	25		
2 AWG CU	115	16-#14	0.284	0.56	0.63	0.87	611	7	153	412	25	412	25	217	412	25	412	25		
1 SOLID CU	115	13-#12	0.289	0.57	0.63	0.90	732	8	175	318	24	318	24	245	318	24	318	24		
1 AWG CU	115	13-#12	0.324	0.60	0.67	0.94	753	8	176	322	23	322	23	247	322	23	322	23		
1/0 SOLID CU	115	16-#12	0.325	0.60	0.67	0.94	871	8	198	256	23	256	22	277	256	23	256	22		
1/0 AWG CU	115	16-#12	0.364	0.64	0.71	0.98	893	8	200	258	22	258	22	280	258	22	258	22		
2/0 AWG CU	115	13-#10	0.408	0.68	0.75	1.07	1109	9	231	203	22	203	21	317	203	22	203	21		
3/0 AWG CU	115	16-#10	0.458	0.73	0.80	1.12	1326	9	262	163	20	163	20	359	163	20	163	20		
4/0 AWG CU	115	16-#9	0.515	0.79	0.86	1.20	1628	10	300	130	20	130	19	407	130	20	130	19		
5kV 133% Copper Three Phase - One-Third Neutral																				
2 SOLID CU	115	6-#14	0.258	0.53	0.60	0.84	479	7	157	200	46	747	25	227	211	103	735	25		
2 AWG CU	115	6-#14	0.284	0.56	0.63	0.87	495	7	158	203	46	752	25	228	214	102	740	25		
1 SOLID CU	115	7-#14	0.289	0.57	0.63	0.87	554	7	179	159	44	628	23	256	171	100	619	23		
1 AWG CU	115	7-#14	0.324	0.60	0.67	0.91	573	8	180	162	44	633	22	256	174	98	624	22		
1/0 SOLID CU	115	9-#14	0.325	0.60	0.67	0.91	659	8	204	126	43	492	22	286	141	96	485	22		
1/0 AWG CU	115	9-#14	0.364	0.64	0.71	0.95	680	8	205	129	42	495	21	287	143	94	489	21		
2/0 AWG CU	115	11-#14	0.408	0.68	0.75	0.99	805	8	233	103	40	402	20	320	119	90	398	20		
3/0 AWG CU	115	14-#14	0.458	0.73	0.80	1.04	967	9	265	82	39	317	19	353	101	85	314	19		
4/0 AWG CU	115	18-#14	0.515	0.79	0.86	1.10	1171	9	301	66	38	248	18	385	88	79	247	18		
250 MCM CU	115	21-#14	0.561	0.85	0.91	1.15	1353	10	330	57	36	212	17	409	80	75	211	17		
350 MCM CU	115	18-#12	0.664	0.95	1.02	1.29	1820	11	393	42	35	154	16	452	68	65	154	16		
500 MCM CU	115	17-#10	0.794	1.08	1.17	1.48	2567	12	464	32	34	105	15	494	58	53	104	15		
750 MCM CU	115	20-#9	0.974	1.27	1.35	1.75	3773	15	540	26	35	72	14	552	48	40	71	14		
1000 MCM CU	115	21-#8	1.124	1.42	1.50	1.93	4908	16	586	23	29	54	13	607	41	31	53	13		

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

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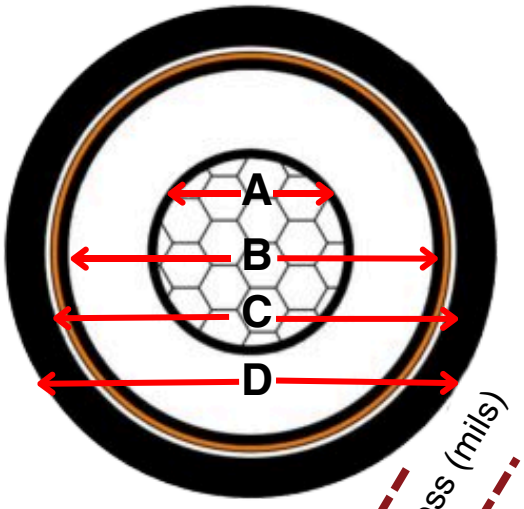

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15kV TRXLPE URD- 100%

Medium Voltage Utility Cables

CONDUCTOR	Insulation Thickness (mils)	Concentric Neutral	(A) Conductor Diametrer (in)	(B) Insulation Diameter (in)	(C) Insulation Shield Diameter (in)	(D) Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	90°C In Duct: ‡ Ampacity (Amps)	90°C In Duct: +/- Sequence Resistance	90°C In Duct: +/- Sequence Impedance	90°C In Duct: Zero Sequence Resistance	90°C In Duct: Zero Sequence Impedance	90°C In Duct: Zero Sequence Resistance ††	90°C Direct Burled: ‡ Ampacity (Amps)	90°C Direct Burled: +/- Sequence Resistance	90°C Direct Burled: +/- Sequence Impedance	90°C Direct Burled: Zero Sequence Resistance	90°C Direct Burled: Zero Sequence Impedance	90°C Direct Burled: Zero Sequence Resistance ††
15kV 100% Aluminum Single Phase - Full Neutral																				
2 SOLID AL	175	10-#14	0.258	0.65	0.72	0.96	455	8	123	663	29	663	30		169	663	29	663	30	
2 AWG AL	175	10-#14	0.284	0.68	0.75	0.99	473	8	124	669	30	669	31		170	669	30	669	31	
1 SOLID AL	175	13-#14	0.289	0.69	0.75	0.99	520	8	141	518	28	518	29		193	518	28	518	29	
1 AWG AL	175	13-#14	0.324	0.72	0.79	1.03	541	9	143	523	27	523	28		194	523	27	523	28	
1/0 SOLID AL	175	16-#14	0.325	0.72	0.79	1.03	592	9	160	415	27	415	27		219	415	27	415	27	
1/0 AWG AL	175	16-#14	0.364	0.76	0.83	1.07	616	9	162	420	26	420	26		220	420	26	420	26	
2/0 AWG AL	175	13-#12	0.408	0.80	0.87	1.14	742	10	186	328	25	328	25		251	328	25	328	25	
3/0 AWG AL	175	16-#12	0.458	0.85	0.92	1.19	856	10	212	263	24	263	24		284	263	24	263	24	
4/0 AWG AL	175	13-#10	0.515	0.91	0.98	1.29	1046	11	243	207	23	207	23		323	207	23	207	23	
250 MCM AL	175	16-#10	0.561	0.97	1.03	1.35	1214	11	270	171	22	171	22		358	171	22	171	22	
350 MCM AL	175	16-#9	0.664	1.07	1.16	1.49	1536	12	321	130	21	130	20		420	130	21	130	20	
15kV 100% Aluminum Three Phase - One-Third Neutral																				
2 SOLID AL	175	6-#14	0.258	0.65	0.72	0.96	409	8	126	329	51	872	30		175	338	103	857	30	
2 AWG AL	175	6-#14	0.284	0.68	0.75	0.99	427	8	126	335	51	879	31		175	344	102	865	31	
1 SOLID AL	175	6-#14	0.289	0.69	0.75	0.99	439	8	143	261	49	805	29		199	270	100	791	29	
1 AWG AL	175	6-#14	0.324	0.72	0.79	1.03	459	9	144	266	48	811	28		199	275	98	798	28	
1/0 SOLID AL	175	6-#14	0.325	0.72	0.79	1.03	475	9	163	207	47	752	27		225	216	98	739	27	
1/0 AWG AL	175	6-#14	0.364	0.76	0.83	1.07	499	9	163	212	46	758	26		225	221	96	745	26	
2/0 AWG AL	175	7-#14	0.408	0.80	0.87	1.11	558	9	186	168	44	637	25		255	178	93	627	25	
3/0 AWG AL	175	9-#14	0.458	0.85	0.92	1.16	638	10	212	133	43	498	24		286	145	89	491	24	
4/0 AWG AL	175	11-#14	0.515	0.91	0.98	1.22	730	10	241	106	41	405	23		320	120	86	400	23	
250 MCM AL	175	13-#14	0.561	0.97	1.03	1.27	821	11	265	91	40	343	21		345	106	82	339	21	
350 MCM AL	175	18-#14	0.664	1.07	1.16	1.39	1048	12	319	66	38	247	19		398	84	76	245	19	
500 MCM AL	175	16-#12	0.794	1.20	1.29	1.56	1378	13	385	48	37	174	18		451	68	67	173	18	
750 MCM AL	175	24-#12	0.974	1.39	1.47	1.81	1938	15	468	35	35	117	16		507	57	55	116	16	
1000 MCM AL	175	20-#10	1.124	1.54	1.65	2.03	2507	17	529	28	33	89	16		549	49	47	88	16	

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

The above dimensions are approximate and subject to normal manufacturing tolerances
Single Phase Impedance Values Assume Full Return in the Metallic Shield.

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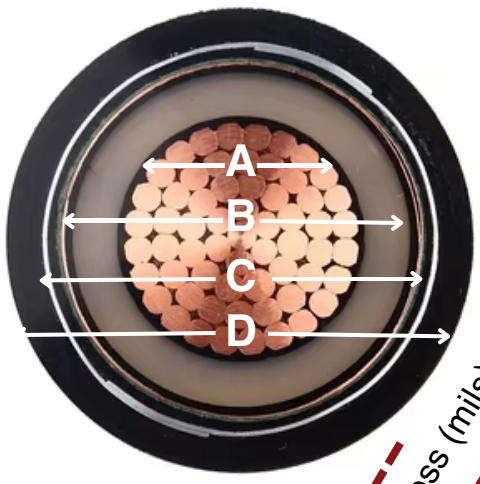

15kV TRXLPE URD- 100% *Medium Voltage Utility Cables*

CONDUCTOR			(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
	Insulation Thickness (mils)	Concentric Neutral	Conductor Diametrer (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance
15kV 100% Copper Single Phase - Full Neutral																		
2 SOLID CU	175	16-#14	0.258	0.65	0.72	0.96	665	8	157	408	31	408	30	215	408	31	408	30
2 AWG CU	175	16-#14	0.284	0.68	0.75	0.99	682	8	158	412	31	412	31	217	412	31	412	31
1 SOLID CU	175	13-#12	0.289	0.69	0.75	1.02	807	9	181	318	29	318	29	245	318	29	318	29
1 AWG CU	175	13-#12	0.324	0.72	0.79	1.06	830	9	182	322	28	322	28	246	322	28	322	28
1/0 SOLID CU	175	16-#12	0.325	0.72	0.79	1.06	948	9	205	256	28	256	28	277	256	28	256	28
1/0 AWG CU	175	16-#12	0.364	0.76	0.83	1.10	973	9	207	258	27	258	27	279	258	27	258	27
2/0 AWG CU	175	13-#10	0.408	0.80	0.87	1.19	1196	10	237	203	26	203	26	317	203	26	203	26
3/0 AWG CU	175	16-#10	0.458	0.85	0.92	1.24	1417	10	270	163	25	163	24	359	163	25	163	24
4/0 AWG CU	175	16-#9	0.515	0.91	0.98	1.32	1724	11	307	130	23	130	23	407	130	23	130	23
15kV 100% Copper Three Phase - One-Third Neutral																		
2 SOLID CU	175	6-#14	0.258	0.65	0.72	0.96	548	8	162	200	51	743	30	223	209	103	728	30
2 AWG CU	175	6-#14	0.284	0.68	0.75	0.99	566	8	162	203	51	747	31	224	213	102	733	31
1 SOLID CU	175	7-#14	0.289	0.69	0.75	0.99	625	8	184	159	49	625	29	252	169	100	613	29
1 AWG CU	175	7-#14	0.324	0.72	0.79	1.03	647	9	184	162	48	629	28	252	173	98	618	28
1/0 SOLID CU	175	9-#14	0.325	0.72	0.79	1.03	733	9	209	126	47	489	27	283	139	96	481	27
1/0 AWG CU	175	9-#14	0.364	0.76	0.83	1.07	757	9	210	129	46	492	26	284	141	94	484	26
2/0 AWG CU	175	11-#14	0.408	0.80	0.87	1.11	886	9	238	103	44	400	25	317	117	91	395	25
3/0 AWG CU	175	14-#14	0.458	0.85	0.92	1.16	1051	10	271	82	43	316	23	351	99	86	312	23
4/0 AWG CU	175	18-#14	0.515	0.91	0.98	1.22	1259	10	307	66	41	247	22	385	86	81	245	22
250 MCM CU	175	21-#14	0.561	0.97	1.03	1.27	1445	11	336	57	40	211	21	410	78	76	210	21
350 MCM CU	175	18-#12	0.664	1.07	1.16	1.43	1945	12	400	42	38	154	20	457	66	67	153	20
500 MCM CU	175	17-#10	0.794	1.20	1.29	1.60	2685	13	471	32	36	104	18	501	57	55	104	18
750 MCM CU	175	20-#9	0.974	1.39	1.47	1.87	3912	15	548	26	34	71	17	559	47	42	71	17
1000 MCM CU	175	21-#8	1.124	1.54	1.65	2.08	5107	17	596	23	32	54	16	669	41	35	56	16

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

The above dimensions are approximate and subject to normal manufacturing tolerances
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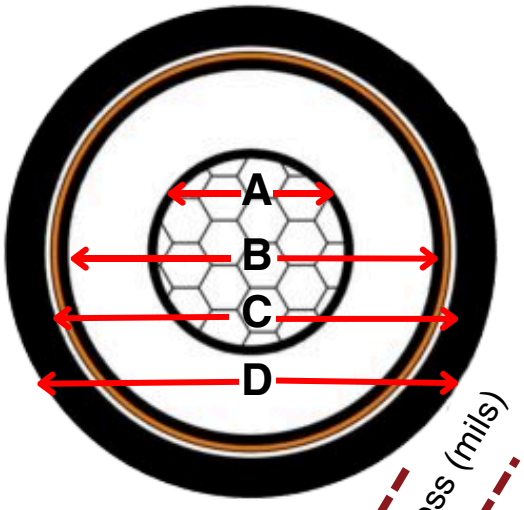

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15kV TRXLPE URD- 133%

Medium Voltage Utility Cables

CONDUCTOR			(A) Insulation Thickness (mils)	(B) Concentric Neutral	(C) Conductor Diametrer (in)	(D) Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	90°C In Duct					90°C Direct Burled				
											‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Impedance	Zero Sequence Resistance ††	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Impedance	Zero Sequence Resistance ††
15kV 133% Aluminum Single Phase - Full Neutral																				
2 SOLID AL	220	10-#14	0.258	0.74	0.81	1.05	513	9	123	663	29	663	30	169	663	29	663	30		
2 AWG AL	220	10-#14	0.284	0.77	0.84	1.08	533	9	124	669	30	669	31	170	669	30	669	31		
1 SOLID AL	220	13-#14	0.289	0.78	0.84	1.08	580	9	141	518	28	518	29	193	518	28	518	29		
1 AWG AL	220	13-#14	0.324	0.81	0.88	1.12	603	9	143	523	27	523	28	194	523	27	523	28		
1/0 SOLID AL	220	16-#14	0.325	0.81	0.88	1.12	654	9	160	415	27	415	27	219	415	27	415	27		
1/0 AWG AL	220	16-#14	0.364	0.85	0.92	1.16	680	10	162	420	26	420	26	220	420	26	420	26		
2/0 AWG AL	220	13-#12	0.408	0.89	0.96	1.23	811	10	186	328	25	328	25	251	328	25	328	25		
3/0 AWG AL	220	16-#12	0.458	0.94	1.01	1.28	927	11	212	263	24	263	24	284	263	24	263	24		
4/0 AWG AL	220	13-#10	0.515	1.00	1.07	1.38	1122	12	243	207	23	207	23	323	207	23	207	23		
250 MCM AL	220	16-#10	0.561	1.06	1.14	1.46	1315	12	270	171	22	171	22	358	171	22	171	22		
350 MCM AL	220	16-#9	0.664	1.16	1.25	1.58	1624	13	321	130	21	130	20	420	130	21	130	20		
15kV 133% Aluminum Three Phase - One-Third Neutral																				
2 SOLID AL	220	6-#14	0.258	0.74	0.81	1.05	466	9	126	329	51	872	30	175	338	103	857	30		
2 AWG AL	220	6-#14	0.284	0.77	0.84	1.08	486	9	126	335	51	879	31	175	344	102	865	31		
1 SOLID AL	220	6-#14	0.289	0.78	0.84	1.08	498	9	143	261	49	805	29	199	270	100	791	29		
1 AWG AL	220	6-#14	0.324	0.81	0.88	1.12	521	9	144	266	48	811	28	199	275	98	798	28		
1/0 SOLID AL	220	6-#14	0.325	0.81	0.88	1.12	537	9	163	207	47	752	27	225	216	98	739	27		
1/0 AWG AL	220	6-#14	0.364	0.85	0.92	1.16	563	10	163	212	46	758	26	225	221	96	745	26		
2/0 AWG AL	220	7-#14	0.408	0.89	0.96	1.20	624	10	186	168	44	637	25	255	178	93	627	25		
3/0 AWG AL	220	9-#14	0.458	0.94	1.01	1.25	707	11	212	133	43	498	24	286	145	89	491	24		
4/0 AWG AL	220	11-#14	0.515	1.00	1.07	1.31	803	11	241	106	41	405	23	320	120	86	400	23		
250 MCM AL	220	13-#14	0.561	1.06	1.14	1.38	917	12	265	91	40	343	21	345	106	82	339	21		
350 MCM AL	220	18-#14	0.664	1.16	1.25	1.48	1130	12	319	66	38	247	19	398	84	76	245	19		
500 MCM AL	220	16-#12	0.794	1.29	1.38	1.71	1534	14	385	48	37	174	18	451	68	67	173	18		
750 MCM AL	220	24-#12	0.974	1.48	1.56	1.90	2043	16	468	35	35	117	16	507	57	55	116	16		
1000 MCM AL	220	20-#10	1.124	1.63	1.74	2.12	2626	17	529	28	33	89	16	549	49	47	88	16		

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

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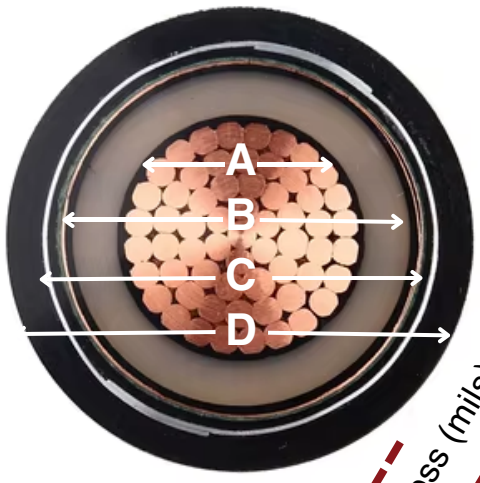

15kV TRXLPE URD- 133%

Medium Voltage Utility Cables

CONDUCTOR			Insulation Thickness (mils) (A)	Concentric Neutral (B)	Conductor Diametrer (in) (C)	Insulation Diameter (in) (D)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	90°C In Duct: ‡ Ampacity (Amps)	90°C In Duct: +/- Sequence Resistance	90°C In Duct: +/- Sequence Impedance	90°C In Duct: Zero Sequence Resistance	90°C In Duct: Zero Sequence Impedance	90°C In Duct: Zero Sequence Resistance ††	90°C Direct Buried: ‡ Ampacity (Amps)	90°C Direct Buried: +/- Sequence Resistance	90°C Direct Buried: +/- Sequence Impedance	90°C Direct Buried: Zero Sequence Resistance	90°C Direct Buried: Zero Sequence Impedance	90°C Direct Buried: Zero Sequence Resistance ††
15kV 133% Copper Single Phase - Full Neutral																						
2 SOLID CU	220	16-#14	0.258	0.74	0.81	1.05	723	9	157	408	31	408	30	215	408	31	408	30				
2 AWG CU	220	16-#14	0.284	0.77	0.84	1.08	742	9	158	412	31	412	31	217	412	31	412	31				
1 SOLID CU	220	13-#12	0.289	0.78	0.84	1.11	868	9	181	318	29	318	29	245	318	29	318	29				
1 AWG CU	220	13-#12	0.324	0.81	0.88	1.15	893	10	182	322	28	322	28	246	322	28	322	28				
1/0 SOLID CU	220	16-#12	0.325	0.81	0.88	1.15	1011	10	205	256	28	256	28	277	256	28	256	28				
1/0 AWG CU	220	16-#12	0.364	0.85	0.92	1.19	1039	10	207	258	27	258	27	279	258	27	258	27				
2/0 AWG CU	220	13-#10	0.408	0.89	0.96	1.28	1266	11	237	203	26	203	26	317	203	26	203	26				
3/0 AWG CU	220	16-#10	0.458	0.94	1.01	1.33	1490	11	270	163	25	163	24	359	163	25	163	24				
4/0 AWG CU	220	16-#9	0.515	1.00	1.07	1.41	1803	12	307	130	23	130	23	407	130	23	130	23				
15kV 133% Copper Three Phase - One-Third Neutral																						
2 SOLID CU	220	6-#14	0.258	0.74	0.81	1.05	606	9	162	200	51	743	30	223	209	103	728	30				
2 AWG CU	220	6-#14	0.284	0.77	0.84	1.08	625	9	162	203	51	747	31	224	213	102	733	31				
1 SOLID CU	220	7-#14	0.289	0.78	0.84	1.08	685	9	184	159	49	625	29	252	169	100	613	29				
1 AWG CU	220	7-#14	0.324	0.81	0.88	1.12	709	9	184	162	48	629	28	252	173	98	618	28				
1/0 SOLID CU	220	9-#14	0.325	0.81	0.88	1.12	794	9	209	126	47	489	27	283	139	96	481	27				
1/0 AWG CU	220	9-#14	0.364	0.85	0.92	1.16	821	10	210	129	46	492	26	284	141	94	484	26				
2/0 AWG CU	220	11-#14	0.408	0.89	0.96	1.20	952	10	238	103	44	400	25	317	117	91	395	25				
3/0 AWG CU	220	14-#14	0.458	0.94	1.01	1.25	1120	11	271	82	43	316	23	351	99	86	312	23				
4/0 AWG CU	220	18-#14	0.515	1.00	1.07	1.31	1331	11	307	66	41	247	22	385	86	81	245	22				
250 MCM CU	220	21-#14	0.561	1.06	1.14	1.38	1541	12	336	57	40	211	21	410	78	76	210	21				
350 MCM CU	220	18-#12	0.664	1.16	1.25	1.52	2029	13	400	42	38	154	20	457	66	67	153	20				
500 MCM CU	220	17-#10	0.794	1.29	1.38	1.75	2845	14	471	32	36	104	18	501	57	55	104	18				
750 MCM CU	220	20-#9	0.974	1.48	1.56	1.96	4022	16	548	26	34	71	17	559	47	42	71	17				
1000 MCM CU	220	21-#8	1.124	1.63	1.74	2.17	5229	18	596	23	32	54	16	669	41	35	56	16				

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

The above dimensions are approximate and subject to normal manufacturing tolerances
Single Phase Impedance Values Assume Full Return in the Metallic Shield.

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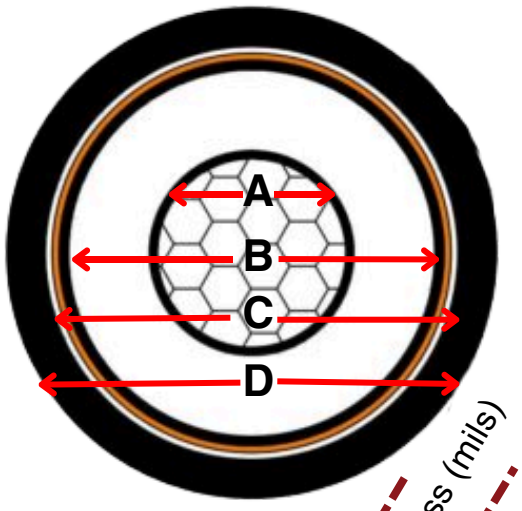

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25kV TRXLPE URD- 100% *Medium Voltage Utility Cables*

CONDUCTOR	Insulation Thickness (mils)	Concentric Neutral	(A) Conductor Diametrer (in)	(B) Insulation Diameter (in)	(C) Insulation Shield Diameter (in)	(D) Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	90°C In Duct ‡ Ampacity (Amps)	90°C In Duct +/- Sequence Resistance	90°C In Duct +/- Sequence Impedance	90°C In Duct Zero Sequence Resistance	90°C In Duct Zero Sequence Impedance	90°C In Duct Zero Sequence Resistance ††	90°C In Duct Zero Sequence Impedance Resistance ††	90°C Direct Buried ‡ Ampacity (Amps)	90°C Direct Buried +/- Sequence Resistance	90°C Direct Buried +/- Sequence Impedance	90°C Direct Buried Zero Sequence Resistance	90°C Direct Buried Zero Sequence Impedance Resistance ††
25kV 100% Aluminum Single Phase - Full Neutral																				
1 SOLID AL	260	13-#14	0.289	0.86	0.92	1.16	637	10	145	518	33	518	33			192	518	33	518	33
1 AWG AL	260	13-#14	0.324	0.89	0.96	1.20	662	10	146	523	31	523	32			194	523	31	523	32
1/0 SOLID AL	260	16-#14	0.325	0.89	0.96	1.20	713	10	165	415	31	415	31			218	415	31	415	31
1/0 AWG AL	260	16-#14	0.364	0.93	1.00	1.24	741	10	166	420	30	420	30			219	420	30	420	30
2/0 AWG AL	260	13-#12	0.408	0.97	1.04	1.31	875	11	190	328	29	328	29			250	328	29	328	29
3/0 AWG AL	260	16-#12	0.458	1.02	1.11	1.38	1015	12	217	263	28	263	28			283	263	28	263	28
4/0 AWG AL	260	13-#10	0.515	1.08	1.17	1.48	1217	12	248	207	26	207	27			322	207	26	207	27
250 MCM AL	260	16-#10	0.561	1.14	1.22	1.54	1392	13	276	171	25	171	25			356	171	25	171	25
350 MCM AL	260	16-#9	0.664	1.24	1.33	1.72	1772	14	326	130	23	130	23			416	130	23	130	23
25kV 100% Aluminum Three Phase - One-Third Neutral																				
1 SOLID AL	260	6-#14	0.289	0.86	0.92	1.16	555	10	146	261	53	801	33			196	269	101	786	33
1 AWG AL	260	6-#14	0.324	0.89	0.96	1.20	580	10	146	266	52	807	32			196	274	99	792	32
1/0 SOLID AL	260	6-#14	0.325	0.89	0.96	1.20	596	10	166	207	51	748	31			222	215	98	734	31
1/0 AWG AL	260	6-#14	0.364	0.93	1.00	1.24	624	10	166	212	50	754	30			222	220	96	740	30
2/0 AWG AL	260	7-#14	0.408	0.97	1.04	1.28	687	11	189	168	48	634	29			251	177	93	622	29
3/0 AWG AL	260	9-#14	0.458	1.02	1.11	1.35	793	11	216	133	46	495	27			283	144	90	487	27
4/0 AWG AL	260	11-#14	0.515	1.08	1.17	1.41	892	12	245	106	45	403	26			317	119	86	397	26
250 MCM AL	260	13-#14	0.561	1.14	1.22	1.46	990	12	269	90	43	341	25			343	104	83	337	25
350 MCM AL	260	18-#14	0.664	1.24	1.33	1.56	1208	13	322	66	41	246	23			397	82	76	244	23
500 MCM AL	260	16-#12	0.794	1.37	1.46	1.79	1623	15	389	48	40	173	21			451	67	68	172	21
750 MCM AL	260	24-#12	0.974	1.56	1.67	2.01	2187	17	473	34	37	116	19			513	55	57	116	19
1000 MCM AL	260	20-#10	1.124	1.71	1.82	2.20	2736	18	533	28	35	88	18			555	48	49	88	18

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

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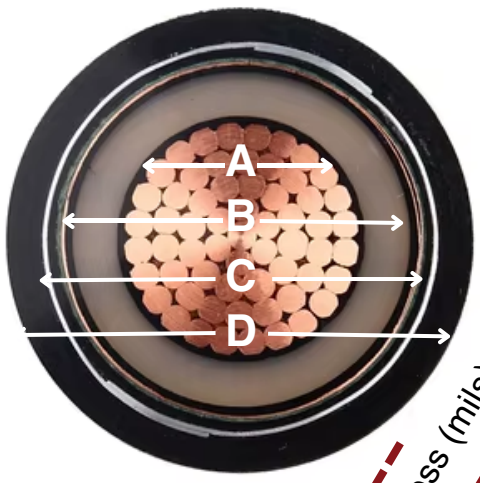

25kV TRXLPE URD- 100% *Medium Voltage Utility Cables*

CONDUCTOR			(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
	Insulation Thickness (mils)	Concentric Neutral	Conductor Diametrer (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance
25kV 100% Copper Single Phase - Full Neutral																		
1 SOLID CU	260	13-#12	0.289	0.86	0.92	1.19	927	10	186	318	33	318	34	245	318	33	318	34
1 AWG CU	260	13-#12	0.324	0.89	0.96	1.23	954	10	187	322	32	322	32	246	322	32	322	32
1/0 SOLID CU	260	16-#12	0.325	0.89	0.96	1.23	1072	10	210	256	32	256	32	277	256	32	256	32
1/0 AWG CU	260	16-#12	0.364	0.93	1.00	1.27	1101	11	212	258	31	258	31	279	258	31	258	31
2/0 AWG CU	260	13-#10	0.408	0.97	1.04	1.36	1333	11	243	203	29	203	29	317	203	29	203	29
3/0 AWG CU	260	16-#10	0.458	1.02	1.11	1.43	1581	12	276	163	28	163	28	359	163	28	163	28
4/0 AWG CU	260	16-#9	0.515	1.08	1.17	1.51	1899	13	314	130	27	130	27	406	130	27	130	27
25kV 100% Copper Three Phase - One-Third Neutral																		
1 SOLID CU	260	7-#14	0.289	0.86	0.92	1.16	742	10	187	158	53	622	33	249	168	100	609	33
1 AWG CU	260	7-#14	0.324	0.89	0.96	1.20	768	10	187	162	52	626	32	249	172	98	614	32
1/0 SOLID CU	260	9-#14	0.325	0.89	0.96	1.20	853	10	213	126	51	487	31	280	138	97	478	31
1/0 AWG CU	260	9-#14	0.364	0.93	1.00	1.24	882	10	213	129	50	490	30	281	140	95	481	30
2/0 AWG CU	260	11-#14	0.408	0.97	1.04	1.28	1015	11	242	103	48	398	29	314	116	91	392	29
3/0 AWG CU	260	14-#14	0.458	1.02	1.11	1.35	1206	11	275	82	46	314	27	349	98	87	310	27
4/0 AWG CU	260	18-#14	0.515	1.08	1.17	1.41	1421	12	311	66	45	246	26	384	84	82	243	26
250 MCM CU	260	21-#14	0.561	1.14	1.22	1.46	1614	12	341	56	43	210	25	410	76	78	208	25
350 MCM CU	260	18-#12	0.664	1.24	1.33	1.60	2109	13	405	42	41	153	23	460	64	69	152	23
500 MCM CU	260	17-#10	0.794	1.37	1.46	1.83	2936	15	475	32	39	104	21	504	55	57	104	21
750 MCM CU	260	20-#9	0.974	1.56	1.67	2.07	4170	17	556	25	36	71	20	567	45	45	71	20
1000 MCM CU	260	21-#8	1.124	1.71	1.82	2.25	5342	19	603	22	34	54	18	620	39	37	53	18

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

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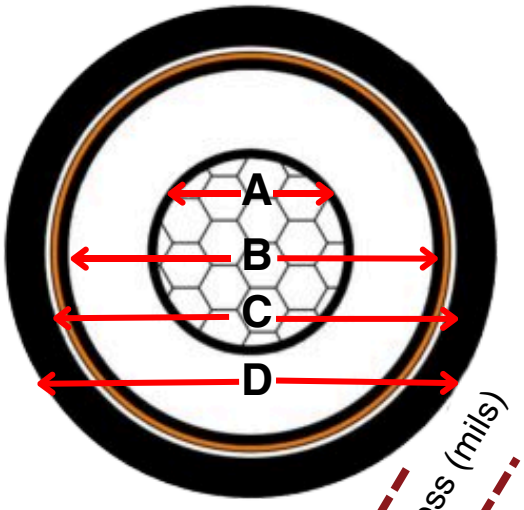

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25kV TRXLPE URD- 133% *Medium Voltage Utility Cables*

CONDUCTOR	Insulation Thickness (mils)	Concentric Neutral	(A) Conductor Diametrer (in)	(B) Insulation Diameter (in)	(C) Insulation Shield Diameter (in)	(D) Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	90°C In Duct ‡ Ampacity (Amps)	90°C In Duct +/- Sequence Resistance	90°C In Duct +/- Sequence Impedance	90°C In Duct Zero Sequence Resistance	90°C In Duct Zero Sequence Impedance	90°C In Duct Zero Sequence Resistance ††	90°C Direct Buried ‡ Ampacity (Amps)	90°C Direct Buried +/- Sequence Resistance	90°C Direct Buried +/- Sequence Impedance	90°C Direct Buried Zero Sequence Resistance	90°C Direct Buried Zero Sequence Impedance	90°C Direct Buried Zero Sequence Resistance ††
25kV 133% Aluminum Single Phase - Full Neutral																				
1 SOLID AL	320	13-#14	0.289	0.98	1.05	1.29	734	11	145	518	33	518	33		192	518	33	518	33	
1 AWG AL	320	13-#14	0.324	1.01	1.08	1.32	761	11	146	523	31	523	32		194	523	31	523	32	
1/0 SOLID AL	320	16-#14	0.325	1.02	1.08	1.32	812	11	165	415	31	415	31		218	415	31	415	31	
1/0 AWG AL	320	16-#14	0.364	1.05	1.14	1.38	864	12	166	420	30	420	30		219	420	30	420	30	
2/0 AWG AL	320	13-#12	0.408	1.10	1.19	1.46	1006	12	190	328	29	328	29		250	328	29	328	29	
3/0 AWG AL	320	16-#12	0.458	1.15	1.24	1.51	1129	13	217	263	28	263	28		283	263	28	263	28	
4/0 AWG AL	320	13-#10	0.515	1.21	1.29	1.61	1339	13	248	207	26	207	27		322	207	26	207	27	
250 MCM AL	320	16-#10	0.561	1.26	1.35	1.72	1583	14	276	171	25	171	25		356	171	25	171	25	
350 MCM AL	320	16-#9	0.664	1.36	1.45	1.85	1913	15	326	130	23	130	23		416	130	23	130	23	
25kV 133% Aluminum Three Phase - One-Third Neutral																				
1 SOLID AL	320	6-#14	0.289	0.98	1.05	1.29	652	11	146	261	53	801	33		196	269	101	786	33	
1 AWG AL	320	6-#14	0.324	1.01	1.08	1.32	679	11	146	266	52	807	32		196	274	99	792	32	
1/0 SOLID AL	320	6-#14	0.325	1.02	1.08	1.32	695	11	166	207	51	748	31		222	215	98	734	31	
1/0 AWG AL	320	6-#14	0.364	1.05	1.14	1.38	747	12	166	212	50	754	30		222	220	96	740	30	
2/0 AWG AL	320	7-#14	0.408	1.10	1.19	1.42	814	12	189	168	48	634	29		251	177	93	622	29	
3/0 AWG AL	320	9-#14	0.458	1.15	1.24	1.47	905	12	216	133	46	495	27		283	144	90	487	27	
4/0 AWG AL	320	11-#14	0.515	1.21	1.29	1.53	1008	13	245	106	45	403	26		317	119	86	397	26	
250 MCM AL	320	13-#14	0.561	1.26	1.35	1.59	1110	13	269	90	43	341	25		343	104	83	337	25	
350 MCM AL	320	18-#14	0.664	1.36	1.45	1.75	1401	14	322	66	41	246	23		397	82	76	244	23	
500 MCM AL	320	16-#12	0.794	1.49	1.58	1.91	1768	16	389	48	40	173	21		451	67	68	172	21	
750 MCM AL	320	24-#12	0.974	1.68	1.80	2.13	2350	18	473	34	37	116	19		513	55	57	116	19	
1000 MCM AL	320	20-#10	1.124	1.83	1.95	2.32	2914	19	533	28	35	88	18		555	48	49	88	18	

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

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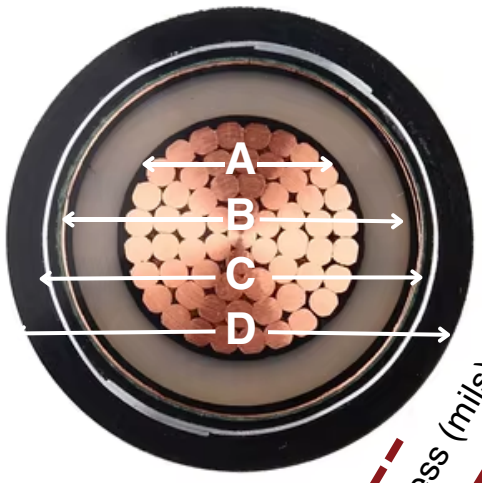
25kV TRXLPE URD- 133% *Medium Voltage Utility Cables*



CONDUCTOR			(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Burled				
	Insulation Thickness (mils)	Concentric Neutral	Conductor Diametrer (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	‡ Ampacity (Amps)	+/- Sequence Impedance Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance Resistance ††	‡ Ampacity (Amps)	+/- Sequence Impedance Resistance	+/- Sequence Impedance	Zero Sequence Impedance Resistance ††	
25kV 133% Copper Single Phase - Full Neutral																		
1 SOLID CU	320	13-#12	0.289	0.98	1.05	1.32	1026	11	186	318	33	318	34	245	318	33	318	34
1 AWG CU	320	13-#12	0.324	1.01	1.08	1.35	1056	11	187	322	32	322	32	246	322	32	322	32
1/0 SOLID CU	320	16-#12	0.325	1.02	1.08	1.35	1174	11	210	256	32	256	32	277	256	32	256	32
1/0 AWG CU	320	16-#12	0.364	1.05	1.14	1.41	1228	12	212	258	31	258	31	279	258	31	258	31
2/0 AWG CU	320	13-#10	0.408	1.10	1.19	1.50	1468	12	243	203	29	203	29	317	203	29	203	29
3/0 AWG CU	320	16-#10	0.458	1.15	1.24	1.55	1699	13	276	163	28	163	28	359	163	28	163	28
4/0 AWG CU	320	16-#9	0.515	1.21	1.29	1.63	2023	14	314	130	27	130	27	406	130	27	130	27
25kV 133% Copper Three Phase - One-Third Neutral																		
1 SOLID CU	320	7-#14	0.289	0.98	1.05	1.29	838	11	187	158	53	622	33	249	168	100	609	33
1 AWG CU	320	7-#14	0.324	1.01	1.08	1.32	867	11	187	162	52	626	32	249	172	98	614	32
1/0 SOLID CU	320	9-#14	0.325	1.02	1.08	1.32	952	11	213	126	51	487	31	280	138	97	478	31
1/0 AWG CU	320	9-#14	0.364	1.05	1.14	1.38	1005	12	213	129	50	490	30	281	140	95	481	3
2/0 AWG CU	320	11-#14	0.408	1.10	1.19	1.42	1142	12	242	103	48	398	29	314	116	91	392	29
3/0 AWG CU	320	14-#14	0.458	1.15	1.24	1.47	1317	12	275	82	46	314	27	349	98	87	310	27
4/0 AWG CU	320	18-#14	0.515	1.21	1.29	1.53	1537	13	311	66	45	246	26	384	84	82	243	26
250 MCM CU	320	21-#14	0.561	1.26	1.35	1.59	1734	13	341	56	43	210	25	410	76	78	208	25
350 MCM CU	320	18-#12	0.664	1.36	1.45	1.78	2306	15	405	42	41	153	23	460	64	69	152	23
500 MCM CU	320	17-#10	0.794	1.49	1.58	1.95	3085	16	475	32	39	104	21	504	55	57	104	21
750 MCM CU	320	20-#9	0.974	1.68	1.80	2.20	4339	18	556	25	36	71	20	567	45	45	71	20
1000 MCM CU	320	21-#8	1.124	1.83	1.95	2.38	5524	19	603	22	34	54	18	620	39	37	53	18

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

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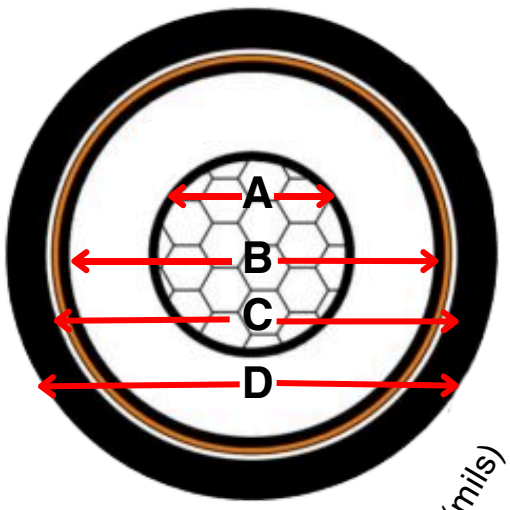

35kV TRXLPE URD- 100% *Medium Voltage Utility Cables*

CONDUCTOR	Insulation Thickness (mils)	Concentric Neutral	(A) Conductor Diametrer (in)	(B) Insulation Diameter (in)	(C) Insulation Shield Diameter (in)	(D) Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	90°C In Duct ‡ Ampacity (Amps)	90°C In Duct +/- Sequence Resistance	90°C In Duct +/- Sequence Impedance	90°C In Duct Zero Sequence Resistance	90°C In Duct Zero Sequence Impedance	90°C In Duct Zero Sequence Resistance ††	90°C Direct Burled ‡ Ampacity (Amps)	90°C Direct Burled +/- Sequence Resistance	90°C Direct Burled +/- Sequence Impedance	90°C Direct Burled Zero Sequence Resistance	90°C Direct Burled Zero Sequence Impedance	90°C Direct Burled Zero Sequence Resistance ††
35kV 100% Aluminum Single Phase - Full Neutral																				
1/0 SOLID AL	345	16-#14	0.325	1.07	1.15	1.39	876	12	168	415	35	415	35		217	415	35	415	35	
1/0 AWG AL	345	16-#14	0.364	1.10	1.19	1.43	909	12	169	420	34	420	34		218	420	34	420	34	
2/0 AWG AL	345	13-#12	0.408	1.15	1.24	1.51	1053	13	194	328	32	328	33		249	328	32	328	33	
3/0 AWG AL	345	16-#12	0.458	1.20	1.29	1.56	1178	13	220	263	31	263	31		283	263	31	263	3	
4/0 AWG AL	345	13-#10	0.515	1.26	1.34	1.72	1455	14	252	207	30	207	30		321	207	30	207	30	
250 MCM AL	345	16-#10	0.561	1.31	1.40	1.77	1638	15	280	171	28	171	28		353	171	28	171	28	
350 MCM AL	345	16-#9	0.664	1.41	1.50	1.90	1973	16	331	130	26	130	26		416	130	26	130	26	
35kV 100% Aluminum Three Phase - One-Third Neutral																				
1/0 SOLID AL	345	6-#14	0.325	1.07	1.15	1.39	759	12	168	207	54	745	35		219	214	98	729	35	
1/0 AWG AL	345	6-#14	0.364	1.10	1.19	1.43	792	12	168	212	53	751	34		219	219	96	736	34	
2/0 AWG AL	345	7-#14	0.408	1.15	1.24	1.47	861	12	191	168	51	631	32		248	176	93	618	32	
3/0 AWG AL	345	9-#14	0.458	1.20	1.29	1.52	952	13	218	133	49	493	31		280	143	90	485	31	
4/0 AWG AL	345	11-#14	0.515	1.26	1.34	1.58	1058	13	247	106	47	401	29		314	117	86	395	29	
250 MCM AL	345	13-#14	0.561	1.31	1.40	1.70	1224	14	271	90	47	340	28		339	103	83	335	28	
350 MCM AL	345	18-#14	0.664	1.41	1.50	1.80	1457	15	325	66	44	245	25		394	81	77	243	25	
500 MCM AL	345	16-#12	0.794	1.54	1.66	1.99	1875	16	392	48	42	173	24		452	65	69	171	24	
750 MCM AL	345	24-#12	0.974	1.73	1.85	2.18	2419	18	476	34	39	116	21		517	54	59	115	21	
1000 MCM AL	345	20-#10	1.124	1.88	2.00	2.37	2989	19	536	28	37	88	20		560	47	51	88	20	

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

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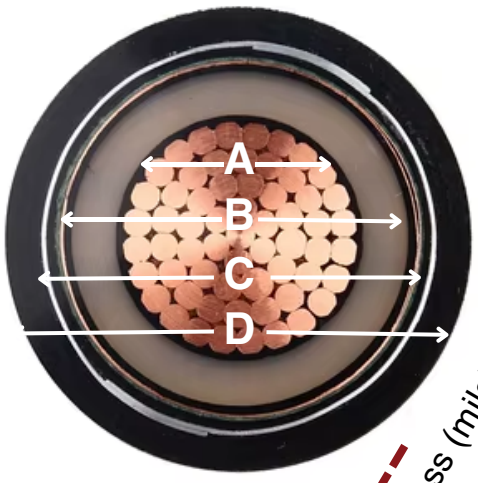

35kV TRXLPE URD- 100% *Medium Voltage Utility Cables*

CONDUCTOR	Insulation Thickness (mils)	Concentric Neutral	(A) Conductor Diametrer (in)	(B) Insulation Diameter (in)	(C) Insulation Shield Diameter (in)	(D) Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	90°C In Duct: ‡ Ampacity (Amps)	90°C In Duct: +/- Sequence Resistance	90°C In Duct: +/- Sequence Impedance	90°C In Duct: Zero Sequence Impedance	90°C In Duct: Zero Sequence Resistance ††	90°C Direct Burled: ‡ Ampacity (Amps)	90°C Direct Burled: +/- Sequence Resistance	90°C Direct Burled: +/- Sequence Impedance	90°C Direct Burled: Zero Sequence Impedance	90°C Direct Burled: Zero Sequence Resistance ††
35kV 100% Copper Single Phase - Full Neutral																		
1/0 SOLID CU	345	16-#12	0.325	1.07	1.15	1.42	1239	12	215	256	36	256	36	276	256	36	256	36
1/0 AWG CU	345	16-#12	0.364	1.10	1.19	1.46	1274	12	217	258	34	258	35	278	258	34	258	35
2/0 AWG CU	345	13-#10	0.408	1.15	1.24	1.55	1516	13	248	203	33	203	33	316	203	33	203	33
3/0 AWG CU	345	16-#10	0.458	1.20	1.29	1.60	1749	13	281	163	31	163	31	358	163	31	163	31
4/0 AWG CU	345	16-#9	0.515	1.26	1.34	1.74	2141	14	319	130	30	130	30	402	130	30	130	30
35kV 100% Copper Three Phase - One-Third Neutral																		
1/0 SOLID CU	345	9-#14	0.325	1.07	1.15	1.39	1016	12	216	126	54	484	35	277	137	97	474	35
1/0 AWG CU	345	9-#14	0.364	1.10	1.19	1.43	1050	12	216	129	53	487	34	278	139	95	478	34
2/0 AWG CU	345	11-#14	0.408	1.15	1.24	1.47	1188	12	245	103	51	396	32	311	115	92	389	32
3/0 AWG CU	345	14-#14	0.458	1.20	1.29	1.52	1365	13	278	82	49	313	31	347	96	87	308	31
4/0 AWG CU	345	18-#14	0.515	1.26	1.34	1.58	1586	13	314	66	47	245	29	383	83	83	242	29
250 MCM CU	345	21-#14	0.561	1.31	1.40	1.70	1848	14	344	57	47	210	28	409	74	79	207	28
350 MCM CU	345	18-#12	0.664	1.41	1.50	1.83	2363	15	408	42	44	152	26	461	62	70	151	26
500 MCM CU	345	17-#10	0.794	1.54	1.66	2.03	3194	17	480	32	42	104	24	510	53	59	103	24
750 MCM CU	345	20-#9	0.974	1.73	1.85	2.25	4410	18	561	25	38	71	22	573	44	47	71	22
1000 MCM CU	345	21-#8	1.124	1.88	2.00	2.43	5601	20	609	22	36	54	20	626	38	39	53	20

† Ampacities are based on the following:
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Three Phase Operation (1/3 Neutral Design)

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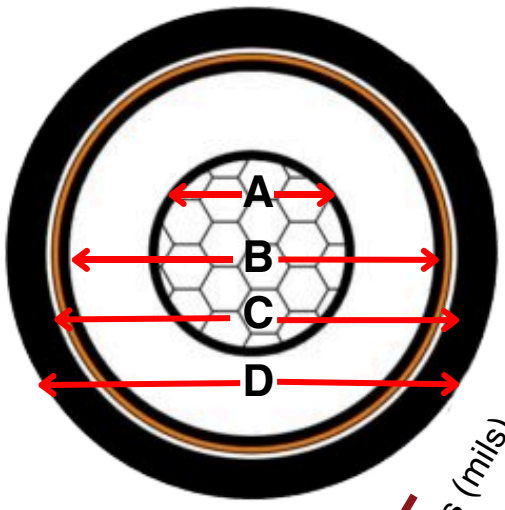
35kV TRXLPE URD- 133% *Medium Voltage Utility Cables*



CONDUCTOR			(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
	Insulation Thickness (mils)	Concentric Neutral	Conductor Diametrer (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance
35kV 133% Aluminum Single Phase - Full Neutral																		
1/0 SOLID AL	420	16-#14	0.325	1.22	1.31	1.55	1020	13	168	415	35	415	35	217	415	35	415	35
1/0 AWG AL	420	16-#14	0.364	1.26	1.35	1.58	1056	13	169	420	34	420	34	218	420	34	420	34
2/0 AWG AL	420	13-#12	0.408	1.30	1.39	1.72	1272	14	194	328	32	328	33	249	328	32	328	33
3/0 AWG AL	420	16-#12	0.458	1.35	1.44	1.77	1404	15	220	263	31	263	31	283	263	31	263	31
4/0 AWG AL	420	13-#10	0.515	1.41	1.50	1.87	1631	15	252	207	30	207	30	321	207	30	207	30
250 MCM AL	420	16-#10	0.561	1.46	1.55	1.93	1819	16	280	171	28	171	28	353	171	28	171	28
350 MCM AL	420	16-#9	0.664	1.57	1.68	2.08	2213	17	331	130	26	130	26	416	130	26	130	26
35kV 133% Aluminum Three Phase - One-Third Neutral																		
1/0 SOLID AL	420	6-#14	0.325	1.22	1.31	1.55	903	13	168	207	54	745	35	219	214	98	729	35
1/0 AWG AL	420	6-#14	0.364	1.26	1.35	1.58	939	13	168	212	53	751	34	219	219	96	736	34
2/0 AWG AL	420	7-#14	0.408	1.30	1.39	1.63	1012	14	191	168	51	631	32	248	176	93	618	32
3/0 AWG AL	420	9-#14	0.458	1.35	1.44	1.74	1174	14	218	133	49	493	31	280	143	90	485	31
4/0 AWG AL	420	11-#14	0.515	1.41	1.50	1.80	1287	15	247	106	47	401	29	314	117	86	395	29
250 MCM AL	420	13-#14	0.561	1.46	1.55	1.85	1398	15	271	90	47	340	28	339	103	83	335	28
350 MCM AL	420	18-#14	0.664	1.57	1.68	1.98	1685	16	325	66	44	245	25	394	81	77	243	25
500 MCM AL	420	16-#12	0.794	1.70	1.81	2.15	2077	18	392	48	42	173	24	452	65	69	171	24
750 MCM AL	420	24-#12	0.974	1.88	2.00	2.33	2640	19	476	34	39	116	21	517	54	59	115	21
1000 MCM AL	420	20-#10	1.124	2.03	2.15	2.53	3228	21	536	28	37	88	20	560	47	51	88	20

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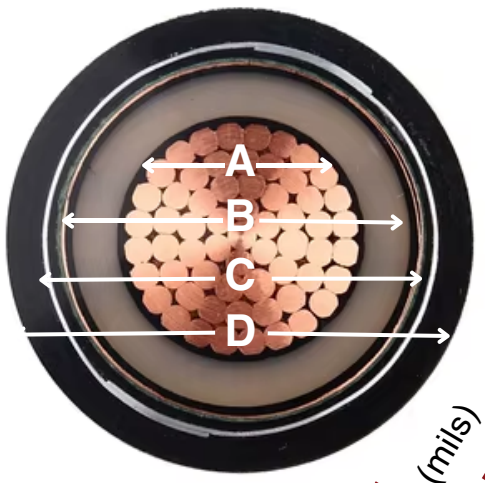

CONDUCTOR			(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Burled				
	Insulation Thickness (mils)	Concentric Neutral	Conductor Diametrer (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance	‡ Ampacity (Amps)	+/- Sequence Resistance	+/- Sequence Impedance	Zero Sequence Resistance	Zero Sequence Impedance
35kV 133% Copper Single Phase - Full Neutral																		
1/0 SOLID CU	420	16-#12	0.325	1.22	1.31	1.58	1386	13	215	256	36	256	36	276	256	36	256	36
1/0 AWG CU	420	16-#12	0.364	1.26	1.35	1.62	1425	13	217	258	34	258	35	278	258	34	258	35
2/0 AWG CU	420	13-#10	0.408	1.30	1.39	1.76	1742	15	248	203	33	203	33	316	203	33	203	33
3/0 AWG CU	420	16-#10	0.458	1.35	1.44	1.81	1981	15	281	163	31	163	31	358	163	31	163	31
4/0 AWG CU	420	16-#9	0.515	1.41	1.50	1.90	2319	16	319	130	30	130	30	402	130	30	130	30
35kV 133% Copper Three Phase - One-Third Neutral																		
1/0 SOLID CU	420	9-#14	0.325	1.22	1.31	1.55	1160	13	216	126	54	484	35	277	137	97	474	35
1/0 AWG CU	420	9-#14	0.364	1.26	1.35	1.58	1197	13	216	129	53	487	34	278	139	95	478	34
2/0 AWG CU	420	11-#14	0.408	1.30	1.39	1.63	1340	14	245	103	51	396	32	311	115	92	389	32
3/0 AWG CU	420	14-#14	0.458	1.35	1.44	1.74	1587	14	278	82	49	313	31	347	96	87	308	31
4/0 AWG CU	420	18-#14	0.515	1.41	1.50	1.80	1816	15	314	66	47	245	29	383	83	83	242	29
250 MCM CU	420	21-#14	0.561	1.46	1.55	1.85	2022	15	344	57	47	210	28	409	74	79	207	28
350 MCM CU	420	18-#12	0.664	1.57	1.68	2.02	2595	17	408	42	44	152	26	461	62	70	151	26
500 MCM CU	420	17-#10	0.794	1.70	1.81	2.19	3401	18	480	32	42	104	24	510	53	59	103	24
750 MCM CU	420	20-#9	0.974	1.88	2.00	2.40	4637	20	561	25	38	71	22	573	44	47	71	22
1000 MCM CU	420	21-#8	1.124	2.03	2.15	2.58	5846	21	609	22	36	54	20	626	38	39	53	20

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