Rejuvenation Instructions

#302 – The Cable Table – iUPR & SPR

This NRI covers the following:

- Finding the extruded conductor shield cable in the table that most closely matches the cable to be injected.
- The table provides detailed cable geometry data and tailored injection pressure (TIP).
- If the cable is not found in the table, contact Novinium Engineering.

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WARNING: It is dangerous working around energized high-voltage systems, pressurized systems, and chemicals. Always work in accordance to the Novinium Field Operations Safety Handbook (FOSH) or other local governing safety standards.

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Cable Table 2

Cable Table

Note: All nominal dimensions are at 20°C. Actual dimensions vary with temperature.

Voltage & Insulation level	Strand Type	Conductor Size	# of Strands	Strand Diameter (in)	Conductor Bundle Diameter (in)	Typical Insulation Diameter (in)	Semi-con Shield Diameter (in)	XLPE Tailored Injection Pressure (psig)	732, 733, & iXL fluids (cc/m)			732, 733, & iXL fluids (cc/ft)			SPR Injection: 2 or 3 liter Al tank only (mm/100 ft)			SPR Injection: 9 liter tank only (mm/100 ft)			iUPR Injection: 1.5 liter PE tank only (mm/100 ft)		
									Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling
5kV; 100% (90 mil)	Concentric Stranding	**4 AWG**	7	**0.077**	0.232	**0.436**	0.516	**266**	0.4	0.9	1.8	**0.1**	**0.3**	**0.5**	1.6	3.2	6.5	**0.4**	**0.8**	**1.6**	1.8	3.6	7.3
		2 AWG	7	**0.097**	0.292	**0.496**	0.576	**211**	1.7	3.5	4.7	**0.5**	**1.1**	**1.4**	6.2	13.0	17.2	**1.5**	**3.2**	**4.3**	6.9	14.5	19.3
		1 AWG	19	**0.066**	0.332	**0.536**	0.616	**188**	5.6	7.0	8.4	**1.7**	**2.1**	**2.6**	20.7	25.6	30.8	**5.2**	**6.4**	**7.7**	23.2	28.7	34.6
		1/0 AWG	19	**0.075**	0.373	**0.577**	0.657	**167**	8.2	10.5	12.6	**2.5**	**3.2**	**3.9**	29.9	38.6	46.3	**7.5**	**9.6**	**11.6**	33.6	43.3	51.9
		2/0 AWG	19	**0.084**	0.417	**0.621**	0.701	**149**	9.4	14.4	17.3	**2.9**	**4.4**	**5.3**	34.5	52.7	63.2	**8.6**	**13.2**	**15.8**	38.8	59.2	71.0
		3/0 AWG	19	**0.094**	0.469	**0.673**	0.753	**133**	10.6	18.9	22.6	**3.2**	**5.8**	**6.9**	38.9	69.1	82.7	**9.7**	**17.3**	**20.7**	43.6	77.6	92.8
		4/0 AWG	19	**0.106**	0.528	**0.732**	0.812	**122**	12.0	23.8	28.6	**3.6**	**7.2**	**8.7**	43.8	87.0	104.6	**11.0**	**21.8**	**26.2**	49.2	97.7	117.4
		250 kcm	37	**0.082**	0.575	**0.787**	0.867	**112**	28.9	33.0	37.2	**8.8**	**10.1**	**11.3**	105.8	120.9	136.0	**26.5**	**30.2**	**34.0**			
		350 kcm	37	**0.097**	0.681	**0.893**	0.973	**100**	25.3	33.3	39.0	**7.7**	**10.2**	**11.9**	92.8	122.1	142.9	**23.2**	**30.5**	**35.7**			
		500 kcm	37	**0.116**	0.815	**1.027**	1.107	**100**	36.0	47.4	55.5	**11.0**	**14.4**	**16.9**	131.8	173.5	203.1	**33.0**	**43.4**	**50.8**			
		600 kcm	61	**0.099**	0.894	**1.114**	1.214	**100**	48.3	63.6	74.4	**14.7**	**19.4**	**22.7**	176.9	232.8	272.3	**44.2**	**58.2**	**68.1**			
		700 kcm	61	**0.107**	0.965	**1.185**	1.285	**100**	55.2	72.6	85.0	**16.8**	**22.1**	**25.9**	202.1	265.9	311.1	**50.6**	**66.5**	**77.8**			
		750 kcm	61	**0.111**	0.996	**1.216**	1.316	**100**	59.4	78.1	91.4	**18.1**	**23.8**	**27.9**	217.3	286.0	334.4	**54.4**	**71.5**	**83.7**			
		800 kcm	61	**0.115**	1.031	**1.251**	1.351	**100**	63.3	83.3	97.4	**19.3**	**25.4**	**29.7**	231.7	304.8	356.5	**58.0**	**76.3**	**89.2**			
		900 kcm	61	**0.122**	1.094	**1.314**	1.414	**100**	71.3	93.8	109.8	**21.7**	**28.6**	**33.5**	260.9	343.4	402.0	**65.3**	**85.9**	**100.6**			
		1000 kcm	61	**0.128**	1.154	**1.374**	1.474	**100**	79.1	104.2	121.8	**24.1**	**31.8**	**37.1**	289.6	381.4	446.0	**72.5**	**95.4**	**111.6**			
15kV; 100% (175 mil or 180 mil)		**2 AWG**	7	**0.097**	0.292	**0.692**	0.772	**276**	1.7	3.5	4.7	**0.5**	**1.1**	**1.4**	6.2	13.0	17.2	**1.5**	**3.2**	**4.3**	6.9	14.5	19.3
		1 AWG	19	**0.066**	0.332	**0.734**	0.814	**246**	5.6	7.0	8.4	**1.7**	**2.1**	**2.6**	20.7	25.6	30.8	**5.2**	**6.4**	**7.7**	23.2	28.7	34.6
		1/0 AWG	19	**0.075**	0.373	**0.777**	0.857	**219**	8.2	10.5	12.6	**2.5**	**3.2**	**3.9**	29.9	38.6	46.3	**7.5**	**9.6**	**11.6**	33.6	43.3	51.9
		2/0 AWG	19	**0.084**	0.417	**0.824**	0.904	**195**	9.4	14.4	17.3	**2.9**	**4.4**	**5.3**	34.5	52.7	63.2	**8.6**	**13.2**	**15.8**	38.8	59.2	71.0
		3/0 AWG	19	**0.094**	0.469	**0.878**	0.958	**173**	10.6	18.9	22.6	**3.2**	**5.8**	**6.9**	38.9	69.1	82.7	**9.7**	**17.3**	**20.7**	43.6	77.6	92.8
		4/0 AWG	19	**0.106**	0.528	**0.938**	1.018	**155**	12.0	23.8	28.6	**3.6**	**7.2**	**8.7**	43.8	87.0	104.6	**11.0**	**21.8**	**26.2**	49.2	97.7	117.4
		250 kcm	37	**0.082**	0.575	**0.985**	1.065	**142**	28.9	33.0	37.2	**8.8**	**10.1**	**11.3**	105.8	120.9	136.0	**26.5**	**30.2**	**34.0**			
		350 kcm	37	**0.097**	0.681	**1.091**	1.191	**120**	25.3	33.3	39.0	**7.7**	**10.2**	**11.9**	92.8	122.1	142.9	**23.2**	**30.5**	**35.7**			
		500 kcm	37	**0.116**	0.815	**1.223**	1.323	**101**	36.0	47.4	55.5	**11.0**	**14.4**	**16.9**	131.8	173.5	203.1	**33.0**	**43.4**	**50.8**			
		600 kcm	61	**0.099**	0.894	**1.303**	1.403	**100**	48.3	63.6	74.4	**14.7**	**19.4**	**22.7**	176.9	232.8	272.3	**44.2**	**58.2**	**68.1**			
		700 kcm	61	**0.107**	0.965	**1.376**	1.476	**100**	55.2	72.6	85.0	**16.8**	**22.1**	**25.9**	202.1	265.9	311.1	**50.6**	**66.5**	**77.8**			
		750 kcm	61	**0.111**	0.996	**1.412**	1.512	**100**	59.4	78.1	91.4	**18.1**	**23.8**	**27.9**	217.3	286.0	334.4	**54.4**	**71.5**	**83.7**			
		800 kcm	61	**0.115**	1.031	**1.447**	1.547	**100**	63.3	83.3	97.4	**19.3**	**25.4**	**29.7**	231.7	304.8	356.5	**58.0**	**76.3**	**89.2**			
		900 kcm	61	**0.122**	1.094	**1.512**	1.612	**100**	71.3	93.8	109.8	**21.7**	**28.6**	**33.5**	260.9	343.4	402.0	**65.3**	**85.9**	**100.6**			
		1000 kcm	61	**0.128**	1.154	**1.572**	1.702	**100**	79.1	104.2	121.8	**24.1**	**31.8**	**37.1**	289.6	381.4	446.0	**72.5**	**95.4**	**111.6**			

Target Fluid Needed = Length of Cable (ft) x Target (cc/ft) ÷ Tank Factor (Found on the tank)
The EPR injection pressure = the XLPE Tailored Injection Pressure divided by 4.
1 pail = 17,200cc = 17.2L
(in) means measured in inches. (mils) are 0.001 inches

Cable Table

Note: All nominal dimensions are at 20°C. Actual dimensions vary with temperature.

Voltage & Insulation level	Strand Type	Conductor Size	# of Strands	Strand Diameter (in)	Conductor Bundle Diameter (in)	Typical Insulation Diameter (in)	Semi-con Shield Diameter (in)	XLPE Tailored Injection Pressure (psig)	732, 733, & iXL fluids (cc/m)			732, 733, & iXL fluids (cc/ft)			SPR Injection: 2 or 3 liter Al tank only (mm/100 ft)			SPR Injection: 9 liter tank only (mm/100 ft)			iUPR Injection: 1.5 liter PE tank only (mm/100 ft)		
									Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling
15kV; 133% (220 mil or 230 mil)	Concentric Stranding	**2 AWG**	7	**0.097**	0.292	**0.792**	0.872	**297**	1.7	3.5	4.7	**0.5**	**1.1**	**1.4**	6.2	13.0	17.2	**1.5**	**3.2**	**4.3**	6.9	14.5	19.3
		1 AWG	19	**0.066**	0.332	**0.834**	0.914	**265**	5.6	7.0	8.4	**1.7**	**2.1**	**2.6**	20.7	25.6	30.8	**5.2**	**6.4**	**7.7**	23.2	28.7	34.6
		1/0 AWG	19	**0.075**	0.373	**0.877**	0.957	**236**	8.2	10.5	12.6	**2.5**	**3.2**	**3.9**	29.9	38.6	46.3	**7.5**	**9.6**	**11.6**	33.6	43.3	51.9
		2/0 AWG	19	**0.084**	0.418	**0.924**	1.004	**210**	9.4	14.4	17.3	**2.9**	**4.4**	**5.3**	34.5	52.7	63.2	**8.6**	**13.2**	**15.8**	38.8	59.2	71.0
		3/0 AWG	19	**0.094**	0.470	**0.978**	1.058	**187**	10.6	18.9	22.6	**3.2**	**5.8**	**6.9**	38.9	69.1	82.7	**9.7**	**17.3**	**20.7**	43.6	77.6	92.8
		4/0 AWG	19	**0.106**	0.528	**1.038**	1.118	**167**	12.0	23.8	28.6	**3.6**	**7.2**	**8.7**	43.8	87.0	104.6	**11.0**	**21.8**	**26.2**	49.2	97.7	117.4
		250 kcm	37	**0.082**	0.575	**1.085**	1.185	**153**	28.9	33.0	37.2	**8.8**	**10.1**	**11.3**	105.8	120.9	136.0	**26.5**	**30.2**	**34.0**			
		350 kcm	37	**0.097**	0.681	**1.191**	1.291	**129**	25.3	33.3	39.0	**7.7**	**10.2**	**11.9**	92.8	122.1	142.9	**23.2**	**30.5**	**35.7**			
		500 kcm	37	**0.116**	0.813	**1.323**	1.423	**108**	36.0	47.4	55.5	**11.0**	**14.4**	**16.9**	131.8	173.5	203.1	**33.0**	**43.4**	**50.8**			
		600 kcm	61	**0.099**	0.893	**1.403**	1.503	**100**	48.3	63.6	74.4	**14.7**	**19.4**	**22.7**	176.9	232.8	272.3	**44.2**	**58.2**	**68.1**			
		700 kcm	61	**0.107**	0.964	**1.476**	1.576	**100**	55.2	72.6	85.0	**16.8**	**22.1**	**25.9**	202.1	265.9	311.1	**50.6**	**66.5**	**77.8**			
		750 kcm	61	**0.111**	0.998	**1.512**	1.612	**100**	59.4	78.1	91.4	**18.1**	**23.8**	**27.9**	217.3	286.0	334.4	**54.4**	**71.5**	**83.7**			
		800 kcm	61	**0.115**	1.031	**1.547**	1.647	**100**	63.3	83.3	97.4	**19.3**	**25.4**	**29.7**	231.7	304.8	356.5	**58.0**	**76.3**	**89.2**			
		900 kcm	61	**0.122**	1.094	**1.612**	1.742	**100**	71.3	93.8	109.8	**21.7**	**28.6**	**33.5**	260.9	343.4	402.0	**65.3**	**85.9**	**100.6**			
		1000 kcm	61	**0.128**	1.152	**1.672**	1.802	**100**	79.1	104.2	121.8	**24.1**	**31.8**	**37.1**	289.6	381.4	446.0	**72.5**	**95.4**	**111.6**			
25kV; 100% (260 mil or 262 mil)	Concentric Stranding	**2 AWG**	7	**0.097**	0.292	**0.840**	0.920	**311**	1.7	3.5	4.7	**0.5**	**1.1**	**1.4**	6.2	13.0	17.2	**1.5**	**3.2**	**4.3**	6.9	14.5	19.3
		1 AWG	19	**0.066**	0.332	**0.898**	0.978	**277**	5.6	7.0	8.4	**1.7**	**2.1**	**2.6**	20.7	25.6	30.8	**5.2**	**6.4**	**7.7**	23.2	28.7	34.6
		1/0 AWG	19	**0.075**	0.373	**0.941**	1.021	**247**	8.2	10.5	12.6	**2.5**	**3.2**	**3.9**	29.9	38.6	46.3	**7.5**	**9.6**	**11.6**	33.6	43.3	51.9
		2/0 AWG	19	**0.084**	0.418	**0.988**	1.068	**220**	9.4	14.4	17.3	**2.9**	**4.4**	**5.3**	34.5	52.7	63.2	**8.6**	**13.2**	**15.8**	38.8	59.2	71.0
		3/0 AWG	19	**0.094**	0.470	**1.042**	1.122	**196**	10.6	18.9	22.6	**3.2**	**5.8**	**6.9**	38.9	69.1	82.7	**9.7**	**17.3**	**20.7**	43.6	77.6	92.8
		4/0 AWG	19	**0.106**	0.528	**1.102**	1.202	**174**	12.0	23.8	28.6	**3.6**	**7.2**	**8.7**	43.8	87.0	104.6	**11.0**	**21.8**	**26.2**	49.2	97.7	117.4
		250 kcm	37	**0.082**	0.575	**1.149**	1.249	**160**	28.9	33.0	37.2	**8.8**	**10.1**	**11.3**	105.8	120.9	136.0	**26.5**	**30.2**	**34.0**			
		350 kcm	37	**0.097**	0.681	**1.255**	1.355	**135**	25.3	33.3	39.0	**7.7**	**10.2**	**11.9**	92.8	122.1	142.9	**23.2**	**30.5**	**35.7**			
		500 kcm	37	**0.116**	0.813	**1.387**	1.487	**113**	36.0	47.4	55.5	**11.0**	**14.4**	**16.9**	131.8	173.5	203.1	**33.0**	**43.4**	**50.8**			
		600 kcm	61	**0.099**	0.893	**1.467**	1.567	**103**	48.3	63.6	74.4	**14.7**	**19.4**	**22.7**	176.9	232.8	272.3	**44.2**	**58.2**	**68.1**			
		700 kcm	61	**0.107**	0.964	**1.540**	1.640	**100**	55.2	72.6	85.0	**16.8**	**22.1**	**25.9**	202.1	265.9	311.1	**50.6**	**66.5**	**77.8**			
		750 kcm	61	**0.111**	0.998	**1.576**	1.706	**100**	59.4	78.1	91.4	**18.1**	**23.8**	**27.9**	217.3	286.0	334.4	**54.4**	**71.5**	**83.7**			
		800 kcm	61	**0.115**	1.031	**1.611**	1.741	**100**	63.3	83.3	97.4	**19.3**	**25.4**	**29.7**	231.7	304.8	356.5	**58.0**	**76.3**	**89.2**			
		900 kcm	61	**0.122**	1.094	**1.676**	1.806	**100**	71.3	93.8	109.8	**21.7**	**28.6**	**33.5**	260.9	343.4	402.0	**65.3**	**85.9**	**100.6**			
		1000 kcm	61	**0.128**	1.152	**1.736**	1.866	**100**	79.1	104.2	121.8	**24.1**	**31.8**	**37.1**	289.6	381.4	446.0	**72.5**	**95.4**	**111.6**			

Target Fluid Needed = Length of Cable (ft) x Target (cc/ft) ÷ Tank Factor (Found on the tank)

The EPR injection pressure = the XLPE Tailored Injection Pressure divided by 4.

1 pail = 17,200cc = 17.2L

(in) means measured in inches. (mils) are 0.001 inches

Cable Table

Note: All nominal dimensions are at 20°C. Actual dimensions vary with temperature.

Voltage & Insulation level	Strand Type	Conductor Size	# of Strands	Strand Diameter (in)	Conductor Bundle Diameter (in)	Typical Insulation Diameter (in)	Semi-con Shield Diameter (in)	XLPE Tailored Injection Pressure (psig)	732, 733, & iXL fluids (cc/m)			732, 733, & iXL fluids (cc/ft)			SPR Injection: 2 or 3 liter Al tank only (mm/100 ft)			SPR Injection: 9 liter tank only (mm/100 ft)			iUPR Injection: 1.5 liter PE tank only (mm/100 ft)		
									Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling
28kV; 100% (280 mil)	Concentric Stranding	**2 AWG**	7	**0.097**	0.292	**0.876**	0.956	**319**	1.7	3.5	4.7	**0.5**	**1.1**	**1.4**	6.2	13.0	17.2	**1.5**	**3.2**	**4.3**	6.9	14.5	19.3
		1 AWG	19	**0.066**	0.332	**0.916**	0.996	**284**	5.6	7.0	8.4	**1.7**	**2.1**	**2.6**	20.7	25.6	30.8	**5.2**	**6.4**	**7.7**	23.2	28.7	34.6
		1/0 AWG	19	**0.075**	0.373	**0.957**	1.037	**253**	8.2	10.5	12.6	**2.5**	**3.2**	**3.9**	29.9	38.6	46.3	**7.5**	**9.6**	**11.6**	33.6	43.3	51.9
		2/0 AWG	19	**0.084**	0.418	**1.001**	1.081	**225**	9.4	14.4	17.3	**2.9**	**4.4**	**5.3**	34.5	52.7	63.2	**8.6**	**13.2**	**15.8**	38.8	59.2	71.0
		3/0 AWG	19	**0.094**	0.470	**1.053**	1.133	**201**	10.6	18.9	22.6	**3.2**	**5.8**	**6.9**	38.9	69.1	82.7	**9.7**	**17.3**	**20.7**	43.6	77.6	92.8
		4/0 AWG	19	**0.106**	0.528	**1.112**	1.192	**179**	12.0	23.8	28.6	**3.6**	**7.2**	**8.7**	43.8	87.0	104.6	**11.0**	**21.8**	**26.2**	49.2	97.7	117.4
		250 kcm	37	**0.082**	0.575	**1.167**	1.247	**164**	28.9	33.0	37.2	**8.8**	**10.1**	**11.3**	105.8	120.9	136.0	**26.5**	**30.2**	**34.0**			
		350 kcm	37	**0.097**	0.681	**1.273**	1.353	**139**	25.3	33.3	39.0	**7.7**	**10.2**	**11.9**	92.8	122.1	142.9	**23.2**	**30.5**	**35.7**			
		500 kcm	37	**0.116**	0.813	**1.407**	1.487	**116**	36.0	47.4	55.5	**11.0**	**14.4**	**16.9**	131.8	173.5	203.1	**33.0**	**43.4**	**50.8**			
		600 kcm	61	**0.099**	0.893	**1.494**	1.624	**106**	48.3	63.6	74.4	**14.7**	**19.4**	**22.7**	176.9	232.8	272.3	**44.2**	**58.2**	**68.1**			
		700 kcm	61	**0.107**	0.964	**1.565**	1.695	**100**	55.2	72.6	85.0	**16.8**	**22.1**	**25.9**	202.1	265.9	311.1	**50.6**	**66.5**	**77.8**			
		750 kcm	61	**0.111**	0.998	**1.596**	1.726	**100**	59.4	78.1	91.4	**18.1**	**23.8**	**27.9**	217.3	286.0	334.4	**54.4**	**71.5**	**83.7**			
		800 kcm	61	**0.115**	1.031	**1.631**	1.761	**100**	63.3	83.3	97.4	**19.3**	**25.4**	**29.7**	231.7	304.8	356.5	**58.0**	**76.3**	**89.2**			
		900 kcm	61	**0.122**	1.094	**1.694**	1.824	**100**	71.3	93.8	109.8	**21.7**	**28.6**	**33.5**	260.9	343.4	402.0	**65.3**	**85.9**	**100.6**			
		1000 kcm	61	**0.128**	1.152	**1.754**	1.884	**100**	79.1	104.2	121.8	**24.1**	**31.8**	**37.1**	289.6	381.4	446.0	**72.5**	**95.4**	**111.6**			
35kV; 100% (345 mil or 347 mil)		**1/0 AWG**	19	**0.075**	0.373	**1.111**	1.211	**276**	8.2	10.5	12.6	**2.5**	**3.2**	**3.9**	29.9	38.6	46.3	**7.5**	**9.6**	**11.6**	33.6	43.3	51.9
		2/0 AWG	19	**0.084**	0.418	**1.158**	1.258	**246**	9.4	14.4	17.3	**2.9**	**4.4**	**5.3**	34.5	52.7	63.2	**8.6**	**13.2**	**15.8**	38.8	59.2	71.0
		3/0 AWG	19	**0.094**	0.470	**1.212**	1.312	**219**	10.6	18.9	22.6	**3.2**	**5.8**	**6.9**	38.9	69.1	82.7	**9.7**	**17.3**	**20.7**	43.6	77.6	92.8
		4/0 AWG	19	**0.106**	0.528	**1.272**	1.372	**195**	12.0	23.8	28.6	**3.6**	**7.2**	**8.7**	43.8	87.0	104.6	**11.0**	**21.8**	**26.2**	49.2	97.7	117.4
		250 kcm	37	**0.082**	0.575	**1.319**	1.419	**179**	28.9	33.0	37.2	**8.8**	**10.1**	**11.3**	105.8	120.9	136.0	**26.5**	**30.2**	**34.0**			
		350 kcm	37	**0.097**	0.681	**1.425**	1.525	**151**	25.3	33.3	39.0	**7.7**	**10.2**	**11.9**	92.8	122.1	142.9	**23.2**	**30.5**	**35.7**			
		500 kcm	37	**0.116**	0.813	**1.557**	1.687	**127**	36.0	47.4	55.5	**11.0**	**14.4**	**16.9**	131.8	173.5	203.1	**33.0**	**43.4**	**50.8**			
		600 kcm	61	**0.099**	0.893	**1.637**	1.767	**116**	48.3	63.6	74.4	**14.7**	**19.4**	**22.7**	176.9	232.8	272.3	**44.2**	**58.2**	**68.1**			
		700 kcm	61	**0.107**	0.964	**1.710**	1.840	**107**	55.2	72.6	85.0	**16.8**	**22.1**	**25.9**	202.1	265.9	311.1	**50.6**	**66.5**	**77.8**			
		750 kcm	61	**0.111**	0.998	**1.746**	1.876	**103**	59.4	78.1	91.4	**18.1**	**23.8**	**27.9**	217.3	286.0	334.4	**54.4**	**71.5**	**83.7**			
		800 kcm	61	**0.115**	1.031	**1.781**	1.911	**100**	63.3	83.3	97.4	**19.3**	**25.4**	**29.7**	231.7	304.8	356.5	**58.0**	**76.3**	**89.2**			
		900 kcm	61	**0.122**	1.094	**1.846**	1.976	**100**	71.3	93.8	109.8	**21.7**	**28.6**	**33.5**	260.9	343.4	402.0	**65.3**	**85.9**	**100.6**			
		1000 kcm	61	**0.128**	1.152	**1.906**	2.036	**100**	79.1	104.2	121.8	**24.1**	**31.8**	**37.1**	289.6	381.4	446.0	**72.5**	**95.4**	**111.6**			

Target Fluid Needed = Length of Cable (ft) x Target (cc/ft) ÷ Tank Factor (Found on the tank)
The EPR injection pressure = the XLPE Tailored Injection Pressure divided by 4.
1 pail = 17,200cc = 17.2L
(in) means measured in inches. (mils) are 0.001 inches

Cable Table

Note: All nominal dimensions are at 20°C. Actual dimensions vary with temperature.

Voltage & Insulation level	Strand Type	Conductor Size	# of Strands	Strand Diameter (in)	Conductor Bundle Diameter (in)	Typical Insulation Diameter (in)	Semi-con Shield Diameter (in)	XLPE Tailored Injection Pressure (psig)	732, 733, & iXL fluids (cc/m)			732, 733, & iXL fluids (cc/ft)			SPR Injection: 2 or 3 liter Al tank only (mm/100 ft)			SPR Injection: 9 liter tank only (mm/100 ft)			iUPR Injection: 1.5 liter PE tank only (mm/100 ft)		
									Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling
5kV; 100% (90 mil)	Compressed Stranding	4 AWG	7	0.077	0.225	0.429	0.509	332	1.0	2.8	3.6	0.3	0.9	1.1	3.8	10.4	13.3	1.0	2.6	3.3	4.3	11.7	14.9
		2 AWG	7	0.097	0.283	0.487	0.567	263	0.8	3.4	4.5	0.2	1.0	1.4	2.8	12.3	16.3	0.7	3.1	4.1	3.1	13.8	18.3
		1 AWG	19	0.066	0.322	0.526	0.606	234	4.9	6.4	7.7	1.5	2.0	2.4	18.0	23.5	28.3	4.5	5.9	7.1	20.2	26.4	31.8
		1/0 AWG	19	0.075	0.362	0.566	0.646	208	6.6	10.4	12.4	2.0	3.2	3.8	24.3	37.9	45.5	6.1	9.5	11.4	27.2	42.5	51.1
		2/0 AWG	19	0.084	0.406	0.610	0.690	186	7.6	13.4	16.0	2.3	4.1	4.9	27.8	49.0	58.6	6.9	12.3	14.7	31.2	55.1	65.8
		3/0 AWG	19	0.094	0.457	0.661	0.741	165	9.5	17.6	21.2	2.9	5.4	6.4	34.9	64.5	77.4	8.7	16.1	19.4	39.1	72.4	86.9
		4/0 AWG	19	0.106	0.512	0.716	0.796	147	11.5	22.4	26.9	3.5	6.8	8.2	42.3	82.0	98.4	10.6	20.5	24.6	47.4	92.1	110.4
		250 kcm	37	0.082	0.559	0.771	0.851	135	12.6	26.3	30.1	3.9	8.0	9.2	46.3	96.3	110.1	11.6	24.1	27.6			
		350 kcm	37	0.097	0.661	0.873	0.953	115	19.1	25.2	29.4	5.8	7.7	9.0	69.8	92.1	107.8	17.5	23.0	27.0			
		500 kcm	37	0.116	0.787	0.999	1.079	100	27.4	36.1	42.1	8.4	11.0	12.8	100.3	131.9	154.1	25.1	33.0	38.6			
		600 kcm	61	0.099	0.866	1.086	1.166	100	36.9	48.6	56.8	11.3	14.8	17.3	135.1	178.0	208.1	33.8	44.5	52.0			
		700 kcm	61	0.107	0.933	1.153	1.233	100	42.3	55.7	65.2	12.9	17.0	19.9	154.9	204.0	238.6	38.7	51.0	59.7			
		750 kcm	61	0.111	0.969	1.189	1.269	100	44.8	59.0	69.0	13.7	18.0	21.0	164.0	215.8	252.5	41.0	54.0	63.2			
		800 kcm	61	0.115	1.000	1.220	1.300	100	48.2	63.4	74.2	14.7	19.3	22.6	176.3	232.2	271.7	44.1	58.1	68.0			
		900 kcm	61	0.122	1.059	1.279	1.359	100	54.2	71.3	83.4	16.5	21.7	25.4	198.3	261.0	305.1	49.6	65.3	76.3			
		1000 kcm	61	0.128	1.118	1.338	1.418	100	59.8	78.6	92.0	18.2	24.0	28.1	218.8	287.8	336.9	54.7	72.0	84.3			
15kV; 100% (175 mil or 180 mil)		2 AWG	7	0.097	0.283	0.683	0.763	302	0.8	3.4	4.5	0.2	1.0	1.4	2.8	12.3	16.3	1.5	3.2	4.3	3.1	13.8	18.3
		1 AWG	19	0.066	0.322	0.724	0.804	269	4.9	6.4	7.7	1.5	2.0	2.4	18.0	23.5	28.3	5.2	6.4	7.7	20.2	26.4	31.8
		1/0 AWG	19	0.075	0.362	0.766	0.846	239	6.6	10.4	12.4	2.0	3.2	3.8	24.3	37.9	45.5	7.5	9.6	11.6	27.2	42.5	51.1
		2/0 AWG	19	0.084	0.406	0.812	0.892	213	7.6	13.4	16.0	2.3	4.1	4.9	27.8	49.0	58.6	8.6	13.2	15.8	31.2	55.1	65.8
		3/0 AWG	19	0.094	0.457	0.864	0.944	190	9.5	17.6	21.2	2.9	5.4	6.4	34.9	64.5	77.4	9.7	17.3	20.7	39.1	72.4	86.9
		4/0 AWG	19	0.106	0.512	0.922	1.002	169	11.5	22.4	26.9	3.5	6.8	8.2	42.3	82.0	98.4	11.0	21.8	26.2	47.4	92.1	110.4
		250 kcm	37	0.082	0.559	0.968	1.048	155	12.6	26.3	30.1	3.9	8.0	9.2	46.3	96.3	110.1	26.5	30.2	34.0			
		350 kcm	37	0.097	0.661	1.071	1.171	131	19.1	25.2	29.4	5.8	7.7	9.0	69.8	92.1	107.8	23.2	30.5	35.7			
		500 kcm	37	0.116	0.787	1.199	1.299	110	27.4	36.1	42.1	8.4	11.0	12.8	100.3	131.9	154.1	33.0	43.4	50.8			
		600 kcm	61	0.099	0.866	1.276	1.376	100	36.9	48.6	56.8	11.3	14.8	17.3	135.1	178.0	208.1	44.2	58.2	68.1			
		700 kcm	61	0.107	0.933	1.347	1.447	100	42.3	55.7	65.2	12.9	17.0	19.9	154.9	204.0	238.6	50.6	66.5	77.8			
		750 kcm	61	0.111	0.969	1.382	1.482	100	44.8	59.0	69.0	13.7	18.0	21.0	164.0	215.8	252.5	54.4	71.5	83.7			
		800 kcm	61	0.115	1.000	1.416	1.516	100	48.2	63.4	74.2	14.7	19.3	22.6	176.3	232.2	271.7	58.0	76.3	89.2			
		900 kcm	61	0.122	1.059	1.479	1.579	100	54.2	71.3	83.4	16.5	21.7	25.4	198.3	261.0	305.1	65.3	85.9	100.6			
		1000 kcm	61	0.128	1.118	1.537	1.637	100	59.8	78.6	92.0	18.2	24.0	28.1	218.8	287.8	336.9	72.5	95.4	111.6			

Target Fluid Needed = Length of Cable (ft) x Target (cc/ft) ÷ Tank Factor (Found on the tank)
The EPR injection pressure = the XLPE Tailored Injection Pressure divided by 4.
1 pail = 17,200cc = 17.2L
(in) means measured in inches. (mils) are 0.001 inches

Cable Table

Note: All nominal dimensions are at 20°C. Actual dimensions vary with temperature.

Voltage & Insulation level	Strand Type	Conductor Size	# of Strands	Strand Diameter (in)	Conductor Bundle Diameter (in)	Typical Insulation Diameter (in)	Semi-con Shield Diameter (in)	XLPE Tailored Injection Pressure (psig)	732, 733, & iXL fluids (cc/m)			732, 733, & iXL fluids (cc/ft)			SPR Injection: 2 or 3 liter Al tank only (mm/100 ft)			SPR Injection: 9 liter tank only (mm/100 ft)			iUPR Injection: 1.5 liter PE tank only (mm/100 ft)		
									Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling
15kV; 133% (220 mil or 230 mil)	Compressed Stranding	2 AWG	7	0.097	0.283	0.783	0.863	323	0.8	3.4	4.5	0.2	1.0	1.4	2.8	12.3	16.3	0.7	3.1	4.1	3.1	13.8	18.3
		1 AWG	19	0.066	0.322	0.824	0.904	288	4.9	6.4	7.7	1.5	2.0	2.4	18.0	23.5	28.3	4.5	5.9	7.1	20.2	26.4	31.8
		1/0 AWG	19	0.075	0.362	0.866	0.946	257	6.6	10.4	12.4	2.0	3.2	3.8	24.3	37.9	45.5	6.1	9.5	11.4	27.2	42.5	51.1
		2/0 AWG	19	0.084	0.406	0.912	0.992	228	7.6	13.4	16.0	2.3	4.1	4.9	27.8	49.0	58.6	6.9	12.3	14.7	31.2	55.1	65.8
		3/0 AWG	19	0.094	0.457	0.964	1.044	203	9.5	17.6	21.2	2.9	5.4	6.4	34.9	64.5	77.4	8.7	16.1	19.4	39.1	72.4	86.9
		4/0 AWG	19	0.106	0.512	1.022	1.102	181	11.5	22.4	26.9	3.5	6.8	8.2	42.3	82.0	98.4	10.6	20.5	24.6	47.4	92.1	110.4
		250 kcm	37	0.082	0.559	1.068	1.168	167	12.6	26.3	30.1	3.9	8.0	9.2	46.3	96.3	110.1	11.6	24.1	27.6			
		350 kcm	37	0.097	0.661	1.171	1.271	141	19.1	25.2	29.4	5.8	7.7	9.0	69.8	92.1	107.8	17.5	23.0	27.0			
		500 kcm	37	0.116	0.787	1.299	1.399	118	27.4	36.1	42.1	8.4	11.0	12.8	100.3	131.9	154.1	25.1	33.0	38.6			
		600 kcm	61	0.099	0.866	1.376	1.476	108	36.9	48.6	56.8	11.3	14.8	17.3	135.1	178.0	208.1	33.8	44.5	52.0			
		700 kcm	61	0.107	0.933	1.447	1.547	100	42.3	55.7	65.2	12.9	17.0	19.9	154.9	204.0	238.6	38.7	51.0	59.7			
		750 kcm	61	0.111	0.969	1.482	1.582	100	44.8	59.0	69.0	13.7	18.0	21.0	164.0	215.8	252.5	41.0	54.0	63.2			
		800 kcm	61	0.115	1.000	1.516	1.616	100	48.2	63.4	74.2	14.7	19.3	22.6	176.3	232.2	271.7	44.1	58.1	68.0			
		900 kcm	61	0.122	1.059	1.579	1.709	100	54.2	71.3	83.4	16.5	21.7	25.4	198.3	261.0	305.1	49.6	65.3	76.3			
		1000 kcm	61	0.128	1.118	1.637	1.767	100	59.8	78.6	92.0	18.2	24.0	28.1	218.8	287.8	336.9	54.7	72.0	84.3			
25kV; 100% (260 mil or 262 mil)	Compressed Stranding	2 AWG	7	0.097	0.283	0.831	0.911	336	0.8	3.4	4.5	0.2	1.0	1.4	2.8	12.3	16.3	0.7	3.1	4.1	3.1	13.8	18.3
		1 AWG	19	0.066	0.322	0.888	0.968	300	4.9	6.4	7.7	1.5	2.0	2.4	18.0	23.5	28.3	4.5	5.9	7.1	20.2	26.4	31.8
		1/0 AWG	19	0.075	0.362	0.930	1.010	267	6.6	10.4	12.4	2.0	3.2	3.8	24.3	37.9	45.5	6.1	9.5	11.4	27.2	42.5	51.1
		2/0 AWG	19	0.084	0.406	0.976	1.056	238	7.6	13.4	16.0	2.3	4.1	4.9	27.8	49.0	58.6	6.9	12.3	14.7	31.2	55.1	65.8
		3/0 AWG	19	0.094	0.457	1.028	1.098	212	9.5	17.6	21.2	2.9	5.4	6.4	34.9	64.5	77.4	8.7	16.1	19.4	39.1	72.4	86.9
		4/0 AWG	19	0.106	0.512	1.086	1.186	189	11.5	22.4	26.9	3.5	6.8	8.2	42.3	82.0	98.4	10.6	20.5	24.6	47.4	92.1	110.4
		250 kcm	37	0.082	0.559	1.132	1.232	174	12.6	26.3	30.1	3.9	8.0	9.2	46.3	96.3	110.1	11.6	24.1	27.6			
		350 kcm	37	0.097	0.661	1.235	1.335	147	19.1	25.2	29.4	5.8	7.7	9.0	69.8	92.1	107.8	17.5	23.0	27.0			
		500 kcm	37	0.116	0.787	1.363	1.463	123	27.4	36.1	42.1	8.4	11.0	12.8	100.3	131.9	154.1	25.1	33.0	38.6			
		600 kcm	61	0.099	0.866	1.440	1.540	112	36.9	48.6	56.8	11.3	14.8	17.3	135.1	178.0	208.1	33.8	44.5	52.0			
		700 kcm	61	0.107	0.933	1.511	1.611	104	42.3	55.7	65.2	12.9	17.0	19.9	154.9	204.0	238.6	38.7	51.0	59.7			
		750 kcm	61	0.111	0.969	1.546	1.646	100	44.8	59.0	69.0	13.7	18.0	21.0	164.0	215.8	252.5	41.0	54.0	63.2			
		800 kcm	61	0.115	1.000	1.580	1.710	100	48.2	63.4	74.2	14.7	19.3	22.6	176.3	232.2	271.7	44.1	58.1	68.0			
		900 kcm	61	0.122	1.059	1.643	1.773	100	54.2	71.3	83.4	16.5	21.7	25.4	198.3	261.0	305.1	49.6	65.3	76.3			
		1000 kcm	61	0.128	1.118	1.701	1.831	100	59.8	78.6	92.0	18.2	24.0	28.1	218.8	287.8	336.9	54.7	72.0	84.3			

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Cable Table

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Voltage & Insulation level	Strand Type	Conductor Size	# of Strands	Strand Diameter (in)	Conductor Bundle Diameter (in)	Typical Insulation Diameter (in)	Semi-con Shield Diameter (in)	XLPE Tailored Injection Pressure (psig)	732, 733, & iXL fluids (cc/m)			732, 733, & iXL fluids (cc/ft)			SPR Injection: 2 or 3 liter Al tank only (mm/100 ft)			SPR Injection: 9 liter tank only (mm/100 ft)			iUPR Injection: 1.5 liter PE tank only (mm/100 ft)		
									Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling
28kV; 100% (280 mil)	Compressed Stranding	**2 AWG**	7	**0.097**	0.283	**0.867**	0.947	**345**	0.8	3.4	4.5	**0.2**	**1.0**	**1.4**	2.8	12.3	16.3	**0.7**	**3.1**	**4.1**	3.1	13.8	18.3
		1 AWG	19	**0.066**	0.322	**0.906**	0.986	**307**	4.9	6.4	7.7	**1.5**	**2.0**	**2.4**	18.0	23.5	28.3	**4.5**	**5.9**	**7.1**	20.2	26.4	31.8
		1/0 AWG	19	**0.075**	0.362	**0.946**	1.026	**273**	6.6	10.4	12.4	**2.0**	**3.2**	**3.8**	24.3	37.9	45.5	**6.1**	**9.5**	**11.4**	27.2	42.5	51.1
		2/0 AWG	19	**0.084**	0.406	**0.990**	1.090	**244**	7.6	13.4	16.0	**2.3**	**4.1**	**4.9**	27.8	49.0	58.6	**6.9**	**12.3**	**14.7**	31.2	55.1	65.8
		3/0 AWG	19	**0.094**	0.457	**1.041**	1.141	**217**	9.5	17.6	21.2	**2.9**	**5.4**	**6.4**	34.9	64.5	77.4	**8.7**	**16.1**	**19.4**	39.1	72.4	86.9
		4/0 AWG	19	**0.106**	0.512	**1.096**	1.196	**193**	11.5	22.4	26.9	**3.5**	**6.8**	**8.2**	42.3	82.0	98.4	**10.6**	**20.5**	**24.6**	47.4	92.1	110.4
		250 kcm	37	**0.082**	0.559	**1.151**	1.251	**177**	12.6	26.3	30.1	**3.9**	**8.0**	**9.2**	46.3	96.3	110.1	**11.6**	**24.1**	**27.6**			
		350 kcm	37	**0.097**	0.661	**1.253**	1.353	**150**	19.1	25.2	29.4	**5.8**	**7.7**	**9.0**	69.8	92.1	107.8	**17.5**	**23.0**	**27.0**			
		500 kcm	37	**0.116**	0.787	**1.379**	1.479	**126**	27.4	36.1	42.1	**8.4**	**11.0**	**12.8**	100.3	131.9	154.1	**25.1**	**33.0**	**38.6**			
		600 kcm	61	**0.099**	0.866	**1.466**	1.596	**115**	36.9	48.6	56.8	**11.3**	**14.8**	**17.3**	135.1	178.0	208.1	**33.8**	**44.5**	**52.0**			
		700 kcm	61	**0.107**	0.933	**1.533**	1.663	**106**	42.3	55.7	65.2	**12.9**	**17.0**	**19.9**	154.9	204.0	238.6	**38.7**	**51.0**	**59.7**			
		750 kcm	61	**0.111**	0.969	**1.569**	1.699	**103**	44.8	59.0	69.0	**13.7**	**18.0**	**21.0**	164.0	215.8	252.5	**41.0**	**54.0**	**63.2**			
		800 kcm	61	**0.115**	1.000	**1.600**	1.730	**100**	48.2	63.4	74.2	**14.7**	**19.3**	**22.6**	176.3	232.2	271.7	**44.1**	**58.1**	**68.0**			
		900 kcm	61	**0.122**	1.059	**1.659**	1.789	**100**	54.2	71.3	83.4	**16.5**	**21.7**	**25.4**	198.3	261.0	305.1	**49.6**	**65.3**	**76.3**			
		1000 kcm	61	**0.128**	1.118	**1.718**	1.848	**100**	59.8	78.6	92.0	**18.2**	**24.0**	**28.1**	218.8	287.8	336.9	**54.7**	**72.0**	**84.3**			
35kV; 100% (345 mil or 347 mil)		**1/0 AWG**	19	**0.075**	0.362	**1.100**	1.200	**297**	6.6	10.4	12.4	**2.0**	**3.2**	**3.8**	24.3	37.9	45.5	**6.1**	**9.5**	**11.4**	27.2	42.5	51.1
		2/0 AWG	19	**0.084**	0.406	**1.146**	1.246	**264**	7.6	13.4	16.0	**2.3**	**4.1**	**4.9**	27.8	49.0	58.6	**6.9**	**12.3**	**14.7**	31.2	55.1	65.8
		3/0 AWG	19	**0.094**	0.457	**1.198**	1.298	**235**	9.5	17.6	21.2	**2.9**	**5.4**	**6.4**	34.9	64.5	77.4	**8.7**	**16.1**	**19.4**	39.1	72.4	86.9
		4/0 AWG	19	**0.106**	0.512	**1.256**	1.356	**209**	11.5	22.4	26.9	**3.5**	**6.8**	**8.2**	42.3	82.0	98.4	**10.6**	**20.5**	**24.6**	47.4	92.1	110.4
		250 kcm	37	**0.082**	0.559	**1.302**	1.402	**193**	12.6	26.3	30.1	**3.9**	**8.0**	**9.2**	46.3	96.3	110.1	**11.6**	**24.1**	**27.6**			
		350 kcm	37	**0.097**	0.661	**1.405**	1.505	**163**	19.1	25.2	29.4	**5.8**	**7.7**	**9.0**	69.8	92.1	107.8	**17.5**	**23.0**	**27.0**			
		500 kcm	37	**0.116**	0.787	**1.533**	1.633	**136**	27.4	36.1	42.1	**8.4**	**11.0**	**12.8**	100.3	131.9	154.1	**25.1**	**33.0**	**38.6**			
		600 kcm	61	**0.099**	0.866	**1.610**	1.740	**124**	36.9	48.6	56.8	**11.3**	**14.8**	**17.3**	135.1	178.0	208.1	**33.8**	**44.5**	**52.0**			
		700 kcm	61	**0.107**	0.933	**1.681**	1.811	**115**	42.3	55.7	65.2	**12.9**	**17.0**	**19.9**	154.9	204.0	238.6	**38.7**	**51.0**	**59.7**			
		750 kcm	61	**0.111**	0.969	**1.716**	1.846	**111**	44.8	59.0	69.0	**13.7**	**18.0**	**21.0**	164.0	215.8	252.5	**41.0**	**54.0**	**63.2**			
		800 kcm	61	**0.115**	1.000	**1.750**	1.880	**108**	48.2	63.4	74.2	**14.7**	**19.3**	**22.6**	176.3	232.2	271.7	**44.1**	**58.1**	**68.0**			
		900 kcm	61	**0.122**	1.059	**1.813**	1.943	**101**	54.2	71.3	83.4	**16.5**	**21.7**	**25.4**	198.3	261.0	305.1	**49.6**	**65.3**	**76.3**			
		1000 kcm	61	**0.128**	1.118	**1.871**	2.001	**100**	59.8	78.6	92.0	**18.2**	**24.0**	**28.1**	218.8	287.8	336.9	**54.7**	**72.0**	**84.3**			

Target Fluid Needed = Length of Cable (ft) x Target (cc/ft) ÷ Tank Factor (Found on the tank)

The EPR injection pressure = the XLPE Tailored Injection Pressure divided by 4.

1 pail = 17,200cc = 17.2L

(in) means measured in inches. (mils) are 0.001 inches

Cable Table

Note: All nominal dimensions are at 20°C. Actual dimensions vary with temperature.

Voltage & Insulation level	Strand Type	Conductor Size	# of Strands	Strand Diameter (in)	Conductor Bundle Diameter (in)	Typical Insulation Diameter (in)	Semi-con Shield Diameter (in)	XLPE Tailored Injection Pressure (psig)	732, 733, & iXL fluids (cc/m)			732, 733, & iXL fluids (cc/ft)			SPR Injection: 2 or 3 liter Al tank only (mm/100 ft)			SPR Injection: 9 liter tank only (mm/100 ft)			iUPR Injection: 1.5 liter PE tank only (mm/100 ft)		
									Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling
5kV; 100% (90 mil)	Compact Stranding	4 AWG	7	0.077	0.213	0.417	0.497	376	0.3	0.6	3.6	0.1	0.2	1.1	1.0	2.1	13.1	0.3	0.5	3.3	1.2	2.3	14.7
		2 AWG	7	0.097	0.268	0.472	0.552	298	0.4	3.4	4.5	0.1	1.0	1.4	1.5	12.3	16.3	0.4	3.1	4.1	1.7	13.8	18.3
		1 AWG	19	0.066	0.299	0.503	0.583	265	1.1	2.0	4.1	0.3	0.6	1.3	3.9	7.4	15.1	1.0	1.9	3.8	4.3	8.3	17.0
		1/0 AWG	19	0.075	0.336	0.540	0.620	236	1.5	2.9	5.7	0.4	0.9	1.7	5.3	10.6	20.9	1.3	2.7	5.2	6.0	11.9	23.5
		2/0 AWG	19	0.084	0.376	0.580	0.660	210	1.3	2.8	5.6	0.4	0.8	1.7	4.9	10.2	20.4	1.2	2.5	5.1	5.5	11.4	22.9
		3/0 AWG	19	0.094	0.421	0.625	0.705	187	1.9	3.8	5.7	0.6	1.2	1.7	7.1	13.9	21.0	1.8	3.5	5.2	8.0	15.6	23.5
		4/0 AWG	19	0.106	0.476	0.680	0.760	167	2.4	5.0	6.4	0.7	1.5	2.0	8.9	18.2	23.4	2.2	4.6	5.9	10.0	20.4	26.3
		250 kcm	37	0.082	0.520	0.732	0.812	153	5.1	15.2	18.5	1.5	4.6	5.7	18.5	55.5	67.9	4.6	13.9	17.0			
		350 kcm	37	0.097	0.614	0.826	0.906	130	6.3	8.2	9.7	1.9	2.5	2.9	23.0	30.0	35.3	5.8	7.5	8.8			
		500 kcm	37	0.116	0.736	0.948	1.028	108	8.7	11.5	13.5	2.7	3.5	4.1	31.9	42.0	49.3	8.0	10.5	12.3			
		600 kcm	61	0.099	0.815	1.035	1.115	100	14.6	19.3	22.5	4.4	5.9	6.9	53.3	70.5	82.4	13.3	17.6	20.6			
		700 kcm	61	0.107	0.878	1.098	1.178	100	16.4	21.6	25.3	5.0	6.6	7.7	60.0	78.9	92.5	15.0	19.7	23.1			
		750 kcm	61	0.111	0.909	1.129	1.209	100	17.3	22.9	26.7	5.3	7.0	8.1	63.4	83.7	97.6	15.9	20.9	24.4			
		800 kcm	61	0.115	0.937	1.157	1.237	100	18.8	24.7	28.9	5.7	7.5	8.8	68.7	90.6	105.8	17.2	22.7	26.5			
		900 kcm	61	0.122	1.000	1.220	1.300	100	22.9	30.2	35.3	7.0	9.2	10.8	83.9	110.5	129.3	21.0	27.6	32.3			
		1000 kcm	61	0.128	1.059	1.279	1.359	100	29.4	38.7	45.2	9.0	11.8	13.8	107.6	141.7	165.6	26.9	35.4	41.4			
15kV; 100% (175 mil or 180 mil)		2 AWG	7	0.097	0.268	0.668	0.748	336	0.4	3.4	4.5	0.1	1.0	1.4	1.5	12.3	16.3	1.5	3.2	4.3	1.7	13.8	18.3
		1 AWG	19	0.066	0.299	0.701	0.781	299	1.1	2.0	4.1	0.3	0.6	1.3	3.9	7.4	15.1	5.2	6.4	7.7	4.3	8.3	17.0
		1/0 AWG	19	0.075	0.336	0.740	0.820	267	1.5	2.9	5.7	0.4	0.9	1.7	5.3	10.6	20.9	7.5	9.6	11.6	6.0	11.9	23.5
		2/0 AWG	19	0.084	0.376	0.782	0.862	237	1.3	2.8	5.6	0.4	0.8	1.7	4.9	10.2	20.4	8.6	13.2	15.8	5.5	11.4	22.9
		3/0 AWG	19	0.094	0.421	0.831	0.911	211	1.9	3.8	5.7	0.6	1.2	1.7	7.1	13.9	21.0	9.7	17.3	20.7	8.0	15.6	23.5
		4/0 AWG	19	0.106	0.476	0.885	0.965	188	2.4	5.0	6.4	0.7	1.5	2.0	8.9	18.2	23.4	11.0	21.8	26.2	10.0	20.4	26.3
		250 kcm	37	0.082	0.520	0.930	1.010	173	5.1	15.2	18.5	1.5	4.6	5.7	18.5	55.5	67.9	26.5	30.2	34.0			
		350 kcm	37	0.097	0.614	1.026	1.106	146	6.3	8.2	9.7	1.9	2.5	2.9	23.0	30.0	35.3	23.2	30.5	35.7			
		500 kcm	37	0.116	0.736	1.146	1.246	123	8.7	11.5	13.5	2.7	3.5	4.1	31.9	42.0	49.3	33.0	43.4	50.8			
		600 kcm	61	0.099	0.815	1.223	1.323	112	14.6	19.3	22.5	4.4	5.9	6.9	53.3	70.5	82.4	44.2	58.2	68.1			
		700 kcm	61	0.107	0.878	1.289	1.389	104	16.4	21.6	25.3	5.0	6.6	7.7	60.0	78.9	92.5	50.6	66.5	77.8			
		750 kcm	61	0.111	0.909	1.322	1.422	100	17.3	22.9	26.7	5.3	7.0	8.1	63.4	83.7	97.6	54.4	71.5	83.7			
		800 kcm	61	0.115	0.937	1.354	1.454	100	18.8	24.7	28.9	5.7	7.5	8.8	68.7	90.6	105.8	58.0	76.3	89.2			
		900 kcm	61	0.122	1.000	1.417	1.517	100	22.9	30.2	35.3	7.0	9.2	10.8	83.9	110.5	129.3	65.3	85.9	100.6			
		1000 kcm	61	0.128	1.059	1.480	1.580	100	29.4	38.7	45.2	9.0	11.8	13.8	107.6	141.7	165.6	72.5	95.4	111.6			

Target Fluid Needed = Length of Cable (ft) x Target (cc/ft) ÷ Tank Factor (Found on the tank)
The EPR injection pressure = the XLPE Tailored Injection Pressure divided by 4.
1 pail = 17,200cc = 17.2L
(in) means measured in inches. (mils) are 0.001 inches

Cable Table

Note: All nominal dimensions are at 20°C. Actual dimensions vary with temperature.

Voltage & Insulation level	Strand Type	Conductor Size	# of Strands	Strand Diameter (in)	Conductor Bundle Diameter (in)	Typical Insulation Diameter (in)	Semi-con Shield Diameter (in)	XLPE Tailored Injection Pressure (psig)	732, 733, & iXL fluids (cc/m)			732, 733, & iXL fluids (cc/ft)			SPR Injection: 2 or 3 liter Al tank only (mm/100 ft)			SPR Injection: 9 liter tank only (mm/100 ft)			iUPR Injection: 1.5 liter PE tank only (mm/100 ft)		
									Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling
15kV; 133% (220 mil or 230 mil)	Compact Stranding	**2 AWG**	7	**0.097**	0.268	**0.768**	0.848	**358**	0.4	3.4	4.5	**0.1**	**1.0**	**1.4**	1.5	12.3	16.3	**0.4**	**3.1**	**4.1**	1.7	13.8	18.3
		1 AWG	19	**0.066**	0.299	**0.801**	0.881	**318**	1.1	2.0	4.1	**0.3**	**0.6**	**1.3**	3.9	7.4	15.1	**1.0**	**1.9**	**3.8**	4.3	8.3	17.0
		1/0 AWG	19	**0.075**	0.336	**0.840**	0.920	**284**	1.5	2.9	5.7	**0.4**	**0.9**	**1.7**	5.3	10.6	20.9	**1.3**	**2.7**	**5.2**	6.0	11.9	23.5
		2/0 AWG	19	**0.084**	0.376	**0.882**	0.962	**253**	1.3	2.8	5.6	**0.4**	**0.8**	**1.7**	4.9	10.2	20.4	**1.2**	**2.5**	**5.1**	5.5	11.4	22.9
		3/0 AWG	19	**0.094**	0.421	**0.931**	1.011	**225**	1.9	3.8	5.7	**0.6**	**1.2**	**1.7**	7.1	13.9	21.0	**1.8**	**3.5**	**5.2**	8.0	15.6	23.5
		4/0 AWG	19	**0.106**	0.476	**0.985**	1.065	**200**	2.4	5.0	6.4	**0.7**	**1.5**	**2.0**	8.9	18.2	23.4	**2.2**	**4.6**	**5.9**	10.0	20.4	26.3
		250 kcm	37	**0.082**	0.520	**1.030**	1.110	**184**	5.1	15.2	18.5	**1.5**	**4.6**	**5.7**	18.5	55.5	67.9	**4.6**	**13.9**	**17.0**			
		350 kcm	37	**0.097**	0.614	**1.126**	1.226	**156**	6.3	8.2	9.7	**1.9**	**2.5**	**2.9**	23.0	30.0	35.3	**5.8**	**7.5**	**8.8**			
		500 kcm	37	**0.116**	0.736	**1.246**	1.346	**130**	8.7	11.5	13.5	**2.7**	**3.5**	**4.1**	31.9	42.0	49.3	**8.0**	**10.5**	**12.3**			
		600 kcm	61	**0.099**	0.815	**1.323**	1.423	**119**	14.6	19.3	22.5	**4.4**	**5.9**	**6.9**	53.3	70.5	82.4	**13.3**	**17.6**	**20.6**			
		700 kcm	61	**0.107**	0.878	**1.389**	1.489	**110**	16.4	21.6	25.3	**5.0**	**6.6**	**7.7**	60.0	78.9	92.5	**15.0**	**19.7**	**23.1**			
		750 kcm	61	**0.111**	0.909	**1.422**	1.522	**106**	17.3	22.9	26.7	**5.3**	**7.0**	**8.1**	63.4	83.7	97.6	**15.9**	**20.9**	**24.4**			
		800 kcm	61	**0.115**	0.937	**1.454**	1.554	**103**	18.8	24.7	28.9	**5.7**	**7.5**	**8.8**	68.7	90.6	105.8	**17.2**	**22.7**	**26.5**			
		900 kcm	61	**0.122**	1.000	**1.517**	1.617	**100**	22.9	30.2	35.3	**7.0**	**9.2**	**10.8**	83.9	110.5	129.3	**21.0**	**27.6**	**32.3**			
		1000 kcm	61	**0.128**	1.059	**1.580**	1.710	**100**	29.4	38.7	45.2	**9.0**	**11.8**	**13.8**	107.6	141.7	165.6	**26.9**	**35.4**	**41.4**			
25kV; 100% (260 mil or 262 mil)	Compact Stranding	**2 AWG**	7	**0.097**	0.268	**0.816**	0.896	**371**	0.4	3.4	4.5	**0.1**	**1.0**	**1.4**	1.5	12.3	16.3	**0.4**	**3.1**	**4.1**	1.7	13.8	18.3
		1 AWG	19	**0.066**	0.299	**0.865**	0.945	**331**	1.1	2.0	4.1	**0.3**	**0.6**	**1.3**	3.9	7.4	15.1	**1.0**	**1.9**	**3.8**	4.3	8.3	17.0
		1/0 AWG	19	**0.075**	0.336	**0.904**	0.984	**295**	1.5	2.9	5.7	**0.4**	**0.9**	**1.7**	5.3	10.6	20.9	**1.3**	**2.7**	**5.2**	6.0	11.9	23.5
		2/0 AWG	19	**0.084**	0.376	**0.946**	1.026	**262**	1.3	2.8	5.6	**0.4**	**0.8**	**1.7**	4.9	10.2	20.4	**1.2**	**2.5**	**5.1**	5.5	11.4	22.9
		3/0 AWG	19	**0.094**	0.421	**0.995**	1.075	**234**	1.9	3.8	5.7	**0.6**	**1.2**	**1.7**	7.1	13.9	21.0	**1.8**	**3.5**	**5.2**	8.0	15.6	23.5
		4/0 AWG	19	**0.106**	0.476	**1.049**	1.129	**208**	2.4	5.0	6.4	**0.7**	**1.5**	**2.0**	8.9	18.2	23.4	**2.2**	**4.6**	**5.9**	10.0	20.4	26.3
		250 kcm	37	**0.082**	0.520	**1.094**	1.194	**191**	5.1	15.2	18.5	**1.5**	**4.6**	**5.7**	18.5	55.5	67.9	**4.6**	**13.9**	**17.0**			
		350 kcm	37	**0.097**	0.614	**1.190**	1.290	**162**	6.3	8.2	9.7	**1.9**	**2.5**	**2.9**	23.0	30.0	35.3	**5.8**	**7.5**	**8.8**			
		500 kcm	37	**0.116**	0.736	**1.310**	1.410	**135**	8.7	11.5	13.5	**2.7**	**3.5**	**4.1**	31.9	42.0	49.3	**8.0**	**10.5**	**12.3**			
		600 kcm	61	**0.099**	0.815	**1.387**	1.487	**124**	14.6	19.3	22.5	**4.4**	**5.9**	**6.9**	53.3	70.5	82.4	**13.3**	**17.6**	**20.6**			
		700 kcm	61	**0.107**	0.878	**1.453**	1.553	**114**	16.4	21.6	25.3	**5.0**	**6.6**	**7.7**	60.0	78.9	92.5	**15.0**	**19.7**	**23.1**			
		750 kcm	61	**0.111**	0.909	**1.486**	1.586	**111**	17.3	22.9	26.7	**5.3**	**7.0**	**8.1**	63.4	83.7	97.6	**15.9**	**20.9**	**24.4**			
		800 kcm	61	**0.115**	0.937	**1.518**	1.618	**107**	18.8	24.7	28.9	**5.7**	**7.5**	**8.8**	68.7	90.6	105.8	**17.2**	**22.7**	**26.5**			
		900 kcm	61	**0.122**	1.000	**1.581**	1.711	**101**	22.9	30.2	35.3	**7.0**	**9.2**	**10.8**	83.9	110.5	129.3	**21.0**	**27.6**	**32.3**			
		1000 kcm	61	**0.128**	1.059	**1.644**	1.774	**100**	29.4	38.7	45.2	**9.0**	**11.8**	**13.8**	107.6	141.7	165.6	**26.9**	**35.4**	**41.4**			

Target Fluid Needed = Length of Cable (ft) x Target (cc/ft) ÷ Tank Factor (Found on the tank)
The EPR injection pressure = the XLPE Tailored Injection Pressure divided by 4.
1 pail = 17,200cc = 17.2L
(in) means measured in inches. (mils) are 0.001 inches

Cable Table

Note: All nominal dimensions are at 20°C. Actual dimensions vary with temperature.

Voltage & Insulation level	Strand Type	Conductor Size	# of Strands	Strand Diameter (in)	Conductor Bundle Diameter (in)	Typical Insulation Diameter (in)	Semi-con Shield Diameter (in)	XLPE Tailored Injection Pressure (psig)	732, 733, & iXL fluids (cc/m)			732, 733, & iXL fluids (cc/ft)			SPR Injection: 2 or 3 liter Al tank only (mm/100 ft)			SPR Injection: 9 liter tank only (mm/100 ft)			iUPR Injection: 1.5 liter PE tank only (mm/100 ft)		
									Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling
28kV; 100% (280 mil)	Compact Stranding	**2 AWG**	7	**0.097**	0.268	**0.852**	0.932	**380**	0.4	3.4	4.5	**0.1**	**1.0**	**1.4**	1.5	12.3	16.3	**0.4**	**3.1**	**4.1**	1.7	13.8	18.3
		1 AWG	19	**0.066**	0.299	**0.883**	0.963	**338**	1.1	2.0	4.1	**0.3**	**0.6**	**1.3**	3.9	7.4	15.1	**1.0**	**1.9**	**3.8**	4.3	8.3	17.0
		1/0 AWG	19	**0.075**	0.336	**0.920**	1.000	**301**	1.5	2.9	5.7	**0.4**	**0.9**	**1.7**	5.3	10.6	20.9	**1.3**	**2.7**	**5.2**	6.0	11.9	23.5
		2/0 AWG	19	**0.084**	0.376	**0.960**	1.060	**268**	1.3	2.8	5.6	**0.4**	**0.8**	**1.7**	4.9	10.2	20.4	**1.2**	**2.5**	**5.1**	5.5	11.4	22.9
		3/0 AWG	19	**0.094**	0.421	**1.005**	1.105	**239**	1.9	3.8	5.7	**0.6**	**1.2**	**1.7**	7.1	13.9	21.0	**1.8**	**3.5**	**5.2**	8.0	15.6	23.5
		4/0 AWG	19	**0.106**	0.476	**1.060**	1.160	**213**	2.4	5.0	6.4	**0.7**	**1.5**	**2.0**	8.9	18.2	23.4	**2.2**	**4.6**	**5.9**	10.0	20.4	26.3
		250 kcm	37	**0.082**	0.520	**1.112**	1.212	**195**	5.1	15.2	18.5	**1.5**	**4.6**	**5.7**	18.5	55.5	67.9	**4.6**	**13.9**	**17.0**			
		350 kcm	37	**0.097**	0.614	**1.206**	1.306	**165**	6.3	8.2	9.7	**1.9**	**2.5**	**2.9**	23.0	30.0	35.3	**5.8**	**7.5**	**8.8**			
		500 kcm	37	**0.116**	0.736	**1.328**	1.428	**138**	8.7	11.5	13.5	**2.7**	**3.5**	**4.1**	31.9	42.0	49.3	**8.0**	**10.5**	**12.3**			
		600 kcm	61	**0.099**	0.815	**1.415**	1.545	**126**	14.6	19.3	22.5	**4.4**	**5.9**	**6.9**	53.3	70.5	82.4	**13.3**	**17.6**	**20.6**			
		700 kcm	61	**0.107**	0.878	**1.478**	1.608	**117**	16.4	21.6	25.3	**5.0**	**6.6**	**7.7**	60.0	78.9	92.5	**15.0**	**19.7**	**23.1**			
		750 kcm	61	**0.111**	0.909	**1.509**	1.639	**113**	17.3	22.9	26.7	**5.3**	**7.0**	**8.1**	63.4	83.7	97.6	**15.9**	**20.9**	**24.4**			
		800 kcm	61	**0.115**	0.937	**1.537**	1.667	**109**	18.8	24.7	28.9	**5.7**	**7.5**	**8.8**	68.7	90.6	105.8	**17.2**	**22.7**	**26.5**			
		900 kcm	61	**0.122**	1.000	**1.600**	1.730	**103**	22.9	30.2	35.3	**7.0**	**9.2**	**10.8**	83.9	110.5	129.3	**21.0**	**27.6**	**32.3**			
		1000 kcm	61	**0.128**	1.059	**1.659**	1.789	**100**	29.4	38.7	45.2	**9.0**	**11.8**	**13.8**	107.6	141.7	165.6	**26.9**	**35.4**	**41.4**			
35kV; 100% (345 mil or 347 mil)		**1/0 AWG**	19	**0.075**	0.336	**1.074**	1.174	**324**	1.5	2.9	5.7	**0.4**	**0.9**	**1.7**	5.3	10.6	20.9	**1.3**	**2.7**	**5.2**	6.0	11.9	23.5
		2/0 AWG	19	**0.084**	0.376	**1.116**	1.216	**288**	1.3	2.8	5.6	**0.4**	**0.8**	**1.7**	4.9	10.2	20.4	**1.2**	**2.5**	**5.1**	5.5	11.4	22.9
		3/0 AWG	19	**0.094**	0.421	**1.165**	1.265	**257**	1.9	3.8	5.7	**0.6**	**1.2**	**1.7**	7.1	13.9	21.0	**1.8**	**3.5**	**5.2**	8.0	15.6	23.5
		4/0 AWG	19	**0.106**	0.476	**1.219**	1.319	**229**	2.4	5.0	6.4	**0.7**	**1.5**	**2.0**	8.9	18.2	23.4	**2.2**	**4.6**	**5.9**	10.0	20.4	26.3
		250 kcm	37	**0.082**	0.520	**1.264**	1.364	**210**	5.1	15.2	18.5	**1.5**	**4.6**	**5.7**	18.5	55.5	67.9	**4.6**	**13.9**	**17.0**			
		350 kcm	37	**0.097**	0.614	**1.360**	1.460	**178**	6.3	8.2	9.7	**1.9**	**2.5**	**2.9**	23.0	30.0	35.3	**5.8**	**7.5**	**8.8**			
		500 kcm	37	**0.116**	0.736	**1.480**	1.580	**149**	8.7	11.5	13.5	**2.7**	**3.5**	**4.1**	31.9	42.0	49.3	**8.0**	**10.5**	**12.3**			
		600 kcm	61	**0.099**	0.815	**1.557**	1.687	**136**	14.6	19.3	22.5	**4.4**	**5.9**	**6.9**	53.3	70.5	82.4	**13.3**	**17.6**	**20.6**			
		700 kcm	61	**0.107**	0.878	**1.623**	1.753	**126**	16.4	21.6	25.3	**5.0**	**6.6**	**7.7**	60.0	78.9	92.5	**15.0**	**19.7**	**23.1**			
		750 kcm	61	**0.111**	0.909	**1.656**	1.786	**121**	17.3	22.9	26.7	**5.3**	**7.0**	**8.1**	63.4	83.7	97.6	**15.9**	**20.9**	**24.4**			
		800 kcm	61	**0.115**	0.937	**1.688**	1.818	**118**	18.8	24.7	28.9	**5.7**	**7.5**	**8.8**	68.7	90.6	105.8	**17.2**	**22.7**	**26.5**			
		900 kcm	61	**0.122**	1.000	**1.751**	1.881	**111**	22.9	30.2	35.3	**7.0**	**9.2**	**10.8**	83.9	110.5	129.3	**21.0**	**27.6**	**32.3**			
		1000 kcm	61	**0.128**	1.059	**1.814**	1.944	**105**	29.4	38.7	45.2	**9.0**	**11.8**	**13.8**	107.6	141.7	165.6	**26.9**	**35.4**	**41.4**			

Target Fluid Needed = Length of Cable (ft) x Target (cc/ft) ÷ Tank Factor (Found on the tank)
The EPR injection pressure = the XLPE Tailored Injection Pressure divided by 4.
1 pail = 17,200cc = 17.2L
(in) means measured in inches. (mils) are 0.001 inches

Cable Table

Note: All nominal dimensions are at 20°C. Actual dimensions vary with temperature.

Voltage & Insulation level	Strand Type	Conductor Size	# of Strands	Strand Diameter (in)	Conductor Bundle Diameter (in)	Typical Insulation Diameter (in)	Semi-con Shield Diameter (in)	XLPE Tailored Injection Pressure (psig)	732, 733, & iXL fluids (cc/m)			732, 733, & iXL fluids (cc/ft)			SPR Injection: 2 or 3 liter Al tank only (mm/100 ft)			SPR Injection: 9 liter tank only (mm/100 ft)			iUPR Injection: 1.5 liter PE tank only (mm/100 ft)		
									Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling	Floor	Target	Ceiling
Special Cable Table																							
30kV; 100%	Compressed	335mm2	61	0.1	0.854331	1.544331	1.674331	119	7.3	9.5	11.2	2.2	2.9	3.4	26.6	35.0	40.9	6.6	8.7	10.2			
15kV; 100%	Concentric	1/0	19	0.0745	0.373	0.789	0.879	220	8.2	10.5	12.6	2.5	3.2	3.9	29.9	38.6	46.3	7.5	9.6	11.6	33.6	43.3	51.9
15kV; 100%	Concentric	1/0 AWG	19	0.0745	0.373	0.817	0.897	224	9.7	12.5	15.0	2.9	3.8	4.6	35.4	45.8	54.9	8.8	11.5	13.7	39.7	51.4	61.6
115kV	Concentric	1500 kcm	91	0.1284	1.385	3.042	3.234	109	129.2	170.0	198.9	39.4	51.8	60.6	0.0	0.0	0.0	118.3	155.6	182.1			
15kV; 100%	Compressed	3/0 AWG	7	0.164	0.441	0.854	0.934	179	11.8	12.0	15.9	3.6	3.7	4.9	43.3	43.9	58.3	10.8	11.0	14.6	48.6	49.3	65.4
5kV; 100%	Concentric	250 kcm	37	0.0822	0.575	0.805	0.905	122	35.0	40.0	45.0	10.7	12.2	13.7	128.1	146.4	164.7	32.0	36.6	41.2			
5kV; 100%	Compressed	250 kcm	37	0.0822	0.53	0.76	0.82	125	14.2	30.4	34.7	4.3	9.3	10.6	52.0	111.2	127.0	13.0	27.8	31.8			
5kV; 100%	Compact	250 kcm	37	0.0822	0.52	0.75	0.85	130	6.0	18.0	22.0	1.8	5.5	6.7	22.0	65.9	80.5	5.5	16.5	20.1			
5kV; 133%	Concentric	4/0 AWG	19	0.1055	0.528	0.795	0.82	140	14.2	28.2	33.9	4.3	8.6	10.3	51.8	103.4	123.9	13.0	25.9	31.0	58.2	116.0	139.1
25kV; 100%	Compact	1/0 AWG	18	0.0745	0.34	0.967	1.047	295	3.0	6.0	8.8	0.9	1.8	2.7	11.0	22.0	32.2	2.7	5.5	8.1	12.3	24.7	36.2
5kV; 100%	Concentric	4/0 AWG	19	0.1055	0.528	0.758	0.8	133	14.2	28.2	33.9	4.3	8.6	10.3	51.8	103.4	123.9	13.0	25.9	31.0	58.2	116.0	139.1
5kV; 100%	Concentric	350 kcm	37	0.0973	0.681	0.911	0.985	110	25.0	41.0	46.0	7.6	12.5	14.0	91.5	150.1	168.4	22.9	37.5	42.1			
5kV; 100%	Concentric	500 kcm	37	0.1162	0.813	1.043	1.117	91	50.0	60.0	70.0	15.2	18.3	21.3	0.0	0.0	0.0	45.8	54.9	64.1			
5kV; 100%	Concentric	1000 kcm	61	0.128	1.152	1.392	1.466	81	100.0	120.0	140.0	30.5	36.6	42.7	0.0	0.0	0.0	91.6	109.9	128.2			
5kV; 100%	Compressed	750 kcm	61	0.1109	0.968	1.202	1.276	87	55.1	72.5	84.8	16.8	22.1	25.9	0.0	0.0	0.0	50.4	66.4	77.7			
5kV; 100%	Concentric	2 AWG	7	0.0974	0.292	0.512	0.592	160	1.9	4.0	5.3	0.6	1.2	1.6	7.1	14.6	19.4	1.8	3.7	4.9	7.9	16.4	21.8
25kV; 100%	Concentric	2 AWG	7	0.0974	0.292	0.852	0.932	306	1.9	4.0	5.3	0.6	1.2	1.6	7.1	14.6	19.4	1.8	3.7	4.9	7.9	16.4	21.8
28kV; 100%	Compressed	500 kcm	37	0.1162	0.799	1.449	1.549	125	33.0	43.4	50.7	10.0	13.2	15.5	0.0	0.0	0.0	30.2	39.7	46.5			
28kV; 100%	Compressed	1 AWG	19	0.0664	0.322	0.94	0.968	305	5.6	7.3	8.8	1.7	2.2	2.7	20.6	26.8	32.2	5.2	6.7	8.0	23.1	30.1	36.1
600V	Concentric	1/0 AWG	19	0.0745	0.373	0.553	0.603	99	9.7	12.5	15.0	2.9	3.8	4.6	35.4	45.8	54.9	8.8	11.5	13.7	39.7	51.4	61.6
600V	Concentric	4/0 AWG	19	0.1055	0.528	0.708	0.758	90	14.2	28.2	33.9	4.3	8.6	10.3	51.8	103.4	123.9	13.0	25.9	31.0	58.2	116.0	139.1
600V	Concentric	300 kcm	37	0.0898	0.628	0.808	0.858	80	21.8	28.7	33.6	6.6	8.7	10.2	79.8	105.0	122.9	20.0	26.3	30.7			
600V	Concentric	500 kcm	37	0.1162	0.813	0.993	1.043	70	43.6	57.4	67.2	13.3	17.5	20.5	159.7	210.2	245.9	40.0	52.6	61.5			
600V	Concentric	2 AWG	7	0.0974	0.292	0.512	0.512	99	1.9	4.0	5.3	0.6	1.2	1.6	7.1	14.6	19.4	1.8	3.7	4.9	7.9	16.4	21.8
15kV; 100%	Concentric	4 AWG	7	0.0613	0.1838	0.663	0.743	280	0.5	1.0	2.0	0.2	0.3	0.6	1.8	3.7	7.3	0.5	0.9	1.8	2.1	4.1	8.2
5kV; 100%	Concentric	2/0 AWG	19	0.0837	0.418	0.824	0.904	50	11.2	17.1	20.5	3.4	5.2	6.2	41.0	62.5	74.9	10.3	15.6	18.7	46.0	70.2	84.1
5kV; 133%	Concentric	350 kcm	37	0.0973	0.681	0.961	1.051	78	30.7	40.4	47.3	9.4	12.3	14.4	112.3	147.8	172.9	28.1	37.0	43.3			

Target Fluid Needed = Length of Cable (ft) x Target (cc/ft) ÷ Tank Factor (Found on the tank)
The EPR injection pressure = the XLPE Tailored Injection Pressure divided by 4.
1 pail = 17,200cc = 17.2L
(in) means measured in inches. (mils) are 0.001 inches