LS Cable
Leading Solution

Medium Voltage Power Cable

15kV, 25kV, 35kV

Leading Solution

**LS aims to develop into a company that provides its clients with a Leading Solution,
contributes to the overall society,
and offers a business environment where the employees can realize their dreams.**

Always with our customers

LS Cable is leading the cable, telecommunication industry.
It also represents the LS Group. With its company vision,
“Always with our customers.” LS Cable continuously drives towards becoming the global leading company providing the technology as required by customers and the solution that others cannot offer.

Towards the global leading company

All employees of LS Cable stand behind the vision of becoming Your No.1 Creative Partner and are doing their best to realize our customers’ satisfaction. Securing and establishing a firm growth engine, LS Cable will be reborn as an enterprise to leap worldwide

Application

This catalogue covers the construction, dimension and test of 15kV, 25kV 35kV,copper or aluminum conductor, Tree-retardant cross-linked polyethylene(TR-XLPE) insulated, PE or PVC jacketed power cables.

Specification or Standards

ANSI/ICEA S-94-649 : Concentric neutral cables Rated 5,000 - 46,000 volts
AEIC CS-8 : Concentric neutral cables Rated 5,000 - 46,000 volts
UL1072 : Medium Voltage Power Cable

Construction and Material

Conductor

The conductor shall consist of the compacted circular stranded uncoated copper or aluminum in accordance with ICEA S-94-649.

Conductor Shield

Over the conductor, semi-conducting compound shall be extruded as a conductor shield. Semi-conducting tape(s) may be applied between the conductor and the conductor shield.

Insulation

The insulation shall be an extruded tree-retardant cross-linked polyethylene (TR-XLPE) over the conductor shield and be used on power cable in wet and dry location at conductor temperature not exceeding 90℃ for normal operation, 130℃ for emergency overload conditions and 250℃ for short circuit conditions.

Insulation Shield

The insulation shield shall consist of an extruded layer of semi-conducting compound. The insulation shield shall be easily strippable. The conductor shield, insulation and insulation shield shall be extruded simultaneously.

Concentric Neutral Conductor

The concentric neutral conductor shall consist of helically applied plain annealed copper wires with suitable lay length.
Suitable binder tape may be applied over concentric neutral conductor for PVC jacket.

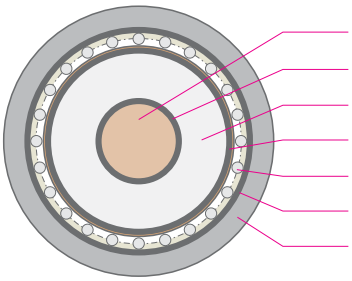
Jacket

The jacket shall consist of an extruded layer of black PE(LLDPE) or PVC.
PE(LLDPE) jacket is Extruded-To-Fill type and PVC jacket is Overlaying type.

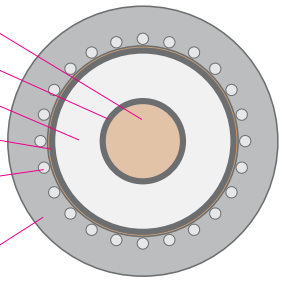
Test

Test shall be conducted in accordance with ICEA S-94-649.

Cross Section Drawing & Characteristics



Item	Description	Remarks
Conductor	Copper or Aluminum	Compact
Conductor shield	Semi-conducting compound	-
Insulation	TR-XLPE	Tree retardant
Insulation shield	Semi-conducting compound	Easy strippable
Concentric neutral	Uncoated annealed copper wires	-
Binder	Unwoven tape	-
Jacket	PE or PVC	Black



PVC Overlaying Jacket Type

PE Extruded-To-Fill Jacket Type

Code Word

LS-C15X-1FE

- Jacket
- Conductor Size
- Neutral
- Insulation
- Voltage
- Conductor

Conductor
- A : Aluminum
- C : Copper

Voltage
- 15 : 15kV
- 25 : 25kV
- 35 : 35kV

Insulation
- X : 100% Insulation
- Y : 133% Insulation

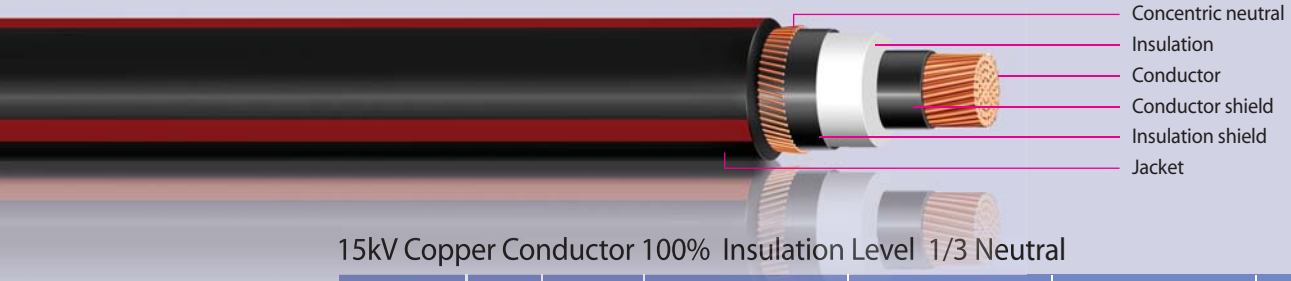
Neutral
- 1 : Full neutral
- 3 : 1/3 neutral

Conductor Size
- A : 2 AWG
- B : 1 AWG
- C : 1/0 AWG
- D : 2/0 AWG
- E : 3/0 AWG
- F : 4/0 AWG
- G : 250 KCM
- H : 350 KCM
- I : 500 KCM
- J : 750 KCM
- K : 1000 KCM

Jacket
- E : PE
- V : PVC

15kV URD Cable

15kV Copper Conductor 100% Insulation



15kV Copper Conductor 100% Insulation Level 1/3 Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-C15X-3CE(V)	1/0	0.336	165	205	0.690	0.860	0.750	0.960	14	9
LS-C15X-3DE(V)	2/0	0.376	165	205	0.730	0.900	0.790	1.000	14	11
LS-C15X-3EE(V)	3/0	0.423	165	205	0.775	0.945	0.835	1.045	14	14
LS-C15X-3FE(V)	4/0	0.475	165	205	0.825	1.000	0.885	1.100	12	11
LS-C15X-3GE(V)	250	0.52	165	205	0.875	1.050	0.935	1.150	12	13
LS-C15X-3HE(V)	350	0.616	165	205	0.970	1.145	1.030	1.245	10	12
LS-C15X-3IE(V)	500	0.736	165	205	1.090	1.265	1.170	1.385	10	17
LS-C15X-3JE(V)	750	0.908	165	205	1.275	1.450	1.355	1.570	10	25
LS-C15X-3KE(V)	1000	1.06	165	205	1.430	1.605	1.510	1.725	10	32

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	3/C Direct Buried	3/C Duct Buried	3/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-C15X-3CE(V)	1/0	45	80	70	105	0.964	1.147	0.813	0.824	290	210	185
LS-C15X-3DE(V)	2/0	45	80	70	105	1.004	1.188	0.942	0.974	320	240	210
LS-C15X-3EE(V)	3/0	45	80	70	105	1.049	1.233	1.108	1.145	350	275	241
LS-C15X-3FE(V)	4/0	45	80	70	105	1.136	1.320	1.346	1.361	390	315	276
LS-C15X-3GE(V)	250	45	80	70	105	1.189	1.373	1.786	1.805	415	340	298
LS-C15X-3HE(V)	350	45	80	70	105	1.330	1.514	2.076	2.066	475	415	364
LS-C15X-3IE(V)	500	45	80	70	105	1.474	1.657	2.804	2.807	525	480	420
LS-C15X-3JE(V)	750	70	120	100	150	1.655	1.909	4.075	4.149	560	530	465
LS-C15X-3KE(V)	1000	70	120	100	150	1.804	2.059	5.207	5.304	600	590	518

15kV Copper Conductor 100% Insulation Level Full Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-C15X-1AE(V)	2	0.268	165	205	0.620	0.790	0.680	0.890	14	16
LS-C15X-1BE(V)	1	0.299	165	205	0.650	0.820	0.710	0.920	12	13
LS-C15X-1CE(V)	1/0	0.336	165	205	0.690	0.860	0.750	0.960	12	16
LS-C15X-1DE(V)	2/0	0.376	165	205	0.730	0.900	0.790	1.000	12	20
LS-C15X-1EE(V)	3/0	0.423	165	205	0.775	0.945	0.835	1.045	12	25
LS-C15X-1FE(V)	4/0	0.475	165	205	0.825	1.000	0.885	1.100	12	32

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-C15X-1AE(V)	2	45	80	70	105	0.896	1.080	0.737	0.774	225	160	140
LS-C15X-1BE(V)	1	45	80	70	105	0.960	1.143	0.894	0.914	260	185	162
LS-C15X-1CE(V)	1/0	45	80	70	105	0.997	1.180	1.038	1.064	295	210	185
LS-C15X-1DE(V)	2/0	45	80	70	105	1.037	1.221	1.22	1.254	330	240	210
LS-C15X-1EE(V)	3/0	45	80	70	105	1.082	1.266	1.448	1.492	375	270	237
LS-C15X-1FE(V)	4/0	45	80	70	105	1.136	1.320	1.748	1.806	430	305	268

15kV Aluminum Conductor 100% Insulation

15kV Aluminum Conductor 100% Insulation Level 1/3 Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-A15X-3CE(V)	1/0	0.336	165	205	0.690	0.860	0.750	0.960	14	6
LS-A15X-3DE(V)	2/0	0.376	165	205	0.730	0.900	0.790	1.000	14	7
LS-A15X-3EE(V)	3/0	0.423	165	205	0.775	0.945	0.835	1.045	14	9
LS-A15X-3FE(V)	4/0	0.475	165	205	0.825	1.000	0.885	1.100	14	11
LS-A15X-3GE(V)	250	0.52	165	205	0.875	1.050	0.935	1.150	14	13
LS-A15X-3HE(V)	350	0.616	165	205	0.970	1.145	1.030	1.245	12	11
LS-A15X-3IE(V)	500	0.736	165	205	1.090	1.265	1.170	1.385	12	16
LS-A15X-3JE(V)	750	0.908	165	205	1.275	1.450	1.355	1.570	10	15
LS-A15X-3KE(V)	1000	1.06	165	205	1.430	1.605	1.510	1.725	10	20

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	3/C Direct Buried	3/C Duct Buried	3/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-A15X-3CE(V)	1/0	45	80	70	105	0.964	1.147	0.552	0.577	230	165	145
LS-A15X-3DE(V)	2/0	45	80	70	105	1.004	1.188	0.608	0.636	250	190	167
LS-A15X-3EE(V)	3/0	45	80	70	105	1.053	1.237	0.691	0.722	280	215	189
LS-A15X-3FE(V)	4/0	45	80	70	105	1.104	1.288	0.783	0.818	320	245	215
LS-A15X-3GE(V)	250	45	80	70	105	1.156	1.340	0.874	0.912	345	270	237
LS-A15X-3HE(V)	350	45	80	70	105	1.288	1.471	1.109	1.124	405	325	285
LS-A15X-3IE(V)	500	45	80	70	105	1.431	1.615	1.445	1.47	460	385	338
LS-A15X-3JE(V)	750	70	120	100	150	1.651	1.905	2.106	2.147	515	475	417
LS-A15X-3KE(V)	1000	70	120	100	150	1.804	2.059	2.64	2.698	565	540	475

15kV Aluminum Conductor 100% Insulation Level Full Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-A15X-1AE(V)	2	0.268	165	205	0.620	0.790	0.680	0.890	14	10
LS-A15X-1BE(V)	1	0.299	165	205	0.650	0.820	0.710	0.920	14	13
LS-A15X-1CE(V)	1/0	0.336	165	205	0.690	0.860	0.750	0.960	14	16
LS-A15X-1DE(V)	2/0	0.376	165	205	0.730	0.900	0.790	1.000	12	13
LS-A15X-1EE(V)	3/0	0.423	165	205	0.775	0.945	0.835	1.045	12	16
LS-A15X-1FE(V)	4/0	0.475	165	205	0.825	1.000	0.885	1.100	12	20

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-A15X-1AE(V)	2	45	80	70	105	0.896	1.080	0.525	0.555	170	115	100
LS-A15X-1BE(V)	1	45	80	70	105	0.927	1.110	0.595	0.629	195	140	123
LS-A15X-1CE(V)	1/0	45	80	70	105	0.997	1.180	0.799	0.838	230	155	135
LS-A15X-1DE(V)	2/0	45	80	70	105	1.037	1.221	0.948	0.967	270	185	162
LS-A15X-1EE(V)	3/0	45	80	70	105	1.086	1.270	1.108	1.133	295	210	184
LS-A15X-1FE(V)	4/0	45	80	70	105	1.138	1.321	1.321	1.355	335	240	210

15kV URD Cable

15kV Copper Conductor 133% Insulation

15kV Copper Conductor 133% Insulation Level 1/3 Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-C15Y-3CE(V)	1/0	0.336	210	250	0.780	0.955	0.840	1.055	14	9
LS-C15Y-3DE(V)	2/0	0.376	210	250	0.820	0.995	0.880	1.095	14	11
LS-C15Y-3EE(V)	3/0	0.423	210	250	0.865	1.040	0.925	1.140	14	14
LS-C15Y-3FE(V)	4/0	0.475	210	250	0.915	1.090	0.975	1.190	12	11
LS-C15Y-3GE(V)	250	0.52	210	250	0.965	1.140	1.025	1.240	12	13
LS-C15Y-3HE(V)	350	0.616	210	250	1.060	1.240	1.140	1.360	10	12
LS-C15Y-3IE(V)	500	0.736	210	250	1.180	1.360	1.260	1.480	10	17
LS-C15Y-3JE(V)	750	0.908	210	250	1.365	1.545	1.475	1.650	10	25
LS-C15Y-3KE(V)	1000	1.06	210	250	1.520	1.700	1.630	1.850	10	32

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	3/C Direct Buried	3/C Duct Buried	3/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-C15Y-3CE(V)	1/0	45	80	70	105	1.182	1.234	0.878	0.909	290	210	185
LS-C15Y-3DE(V)	2/0	45	80	70	105	1.222	1.274	1.010	1.044	320	240	210
LS-C15Y-3EE(V)	3/0	45	80	70	105	1.267	1.319	1.179	1.217	350	275	241
LS-C15Y-3FE(V)	4/0	45	80	70	105	1.353	1.406	1.422	1.437	390	315	276
LS-C15Y-3GE(V)	250	45	80	70	105	1.406	1.460	1.865	1.884	415	340	298
LS-C15Y-3HE(V)	350	45	80	70	105	1.569	1.452	2.196	2.183	475	415	364
LS-C15Y-3IE(V)	500	45	80	70	105	1.687	1.744	2.904	2.904	525	480	420
LS-C15Y-3JE(V)	750	70	120	100	125	1.939	1.996	4.193	4.267	560	530	465
LS-C15Y-3KE(V)	1000	70	120	100	125	2.119	2.175	5.393	5.491	600	590	518

15kV Copper Conductor 133% Insulation Level Full Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-C15Y-1AE(V)	2	0.268	210	250	0.710	0.885	0.770	0.985	14	16
LS-C15Y-1BE(V)	1	0.299	210	250	0.740	0.915	0.800	1.015	12	13
LS-C15Y-1CE(V)	1/0	0.336	210	250	0.780	0.955	0.840	1.055	12	16
LS-C15Y-1DE(V)	2/0	0.376	210	250	0.820	0.995	0.880	1.095	12	20
LS-C15Y-1EE(V)	3/0	0.423	210	250	0.865	1.040	0.925	1.140	12	25
LS-C15Y-1FE(V)	4/0	0.475	210	250	0.915	1.090	0.975	1.190	12	32

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-C15Y-1AE(V)	2	45	80	70	105	1.114	1.166	0.799	0.838	225	160	140
LS-C15Y-1BE(V)	1	45	80	70	105	1.176	1.230	0.960	0.980	260	185	162
LS-C15Y-1CE(V)	1/0	45	80	70	105	1.213	1.267	1.107	1.132	295	210	185
LS-C15Y-1DE(V)	2/0	45	80	70	105	1.254	1.307	1.292	1.326	330	240	210
LS-C15Y-1EE(V)	3/0	45	80	70	105	1.299	1.352	1.523	1.568	375	270	237
LS-C15Y-1FE(V)	4/0	45	80	70	105	1.353	1.406	1.828	1.887	430	305	268

15kV Aluminum Conductor 133% Insulation

15kV Aluminum Conductor 133% Insulation Level 1/3 Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-A15Y-3CE(V)	1/0	0.336	210	250	0.780	0.955	0.840	1.055	14	6
LS-A15Y-3DE(V)	2/0	0.376	210	250	0.820	0.995	0.880	1.095	14	7
LS-A15Y-3EE(V)	3/0	0.423	210	250	0.865	1.040	0.925	1.140	14	9
LS-A15Y-3FE(V)	4/0	0.475	210	250	0.915	1.090	0.975	1.190	14	11
LS-A15Y-3GE(V)	250	0.52	210	250	0.965	1.140	1.025	1.240	14	13
LS-A15Y-3HE(V)	350	0.616	210	250	1.060	1.240	1.140	1.360	12	11
LS-A15Y-3IE(V)	500	0.736	210	250	1.180	1.360	1.260	1.480	12	16
LS-A15Y-3JE(V)	750	0.908	210	250	1.365	1.545	1.475	1.650	10	15
LS-A15Y-3KE(V)	1000	1.06	210	250	1.520	1.700	1.630	1.850	10	20

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	3/C Direct Buried	3/C Duct Buried	3/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-A15Y-3CE(V)	1/0	45	80	70	105	1.182	1.234	0.617	0.644	230	165	145
LS-A15Y-3DE(V)	2/0	45	80	70	105	1.222	1.274	0.675	0.704	250	190	167
LS-A15Y-3EE(V)	3/0	45	80	70	105	1.271	1.323	0.760	0.793	280	215	189
LS-A15Y-3FE(V)	4/0	45	80	70	105	1.323	1.375	0.855	0.891	320	245	215
LS-A15Y-3GE(V)	250	45	80	70	105	1.375	1.426	0.948	0.987	345	270	237
LS-A15Y-3HE(V)	350	45	80	70	105	1.530	1.583	1.216	1.230	405	325	285
LS-A15Y-3IE(V)	500	45	80	70	105	1.648	1.701	1.539	1.564	460	385	338
LS-A15Y-3JE(V)	750	70	120	100	125	1.935	1.992	2.219	2.260	515	475	417
LS-A15Y-3KE(V)	1000	70	120	100	125	2.119	2.175	2.817	2.875	565	540	475

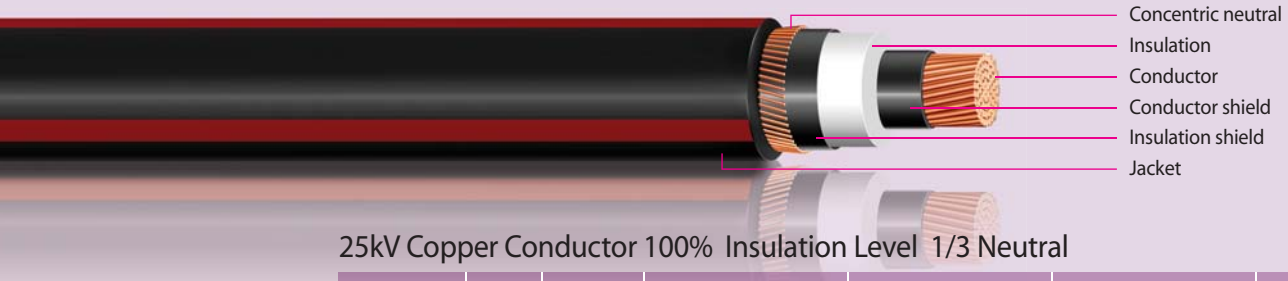
15kV Aluminum Conductor 133% Insulation Level Full Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-A15Y-1AE(V)	2	0.268	210	250	0.710	0.885	0.770	0.985	14	10
LS-A15Y-1BE(V)	1	0.299	210	250	0.740	0.915	0.800	1.015	14	13
LS-A15Y-1CE(V)	1/0	0.336	210	250	0.780	0.955	0.840	1.055	14	16
LS-A15Y-1DE(V)	2/0	0.376	210	250	0.820	0.995	0.880	1.095	12	13
LS-A15Y-1EE(V)	3/0	0.423	210	250	0.865	1.040	0.925	1.140	12	16
LS-A15Y-1FE(V)	4/0	0.475	210	250	0.915	1.090	0.975	1.190	12	20

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-A15Y-1AE(V)	2	45	80	70	105	1.114	1.166	0.758	0.617	170	115	100
LS-A15Y-1BE(V)	1	45	80	70	105	1.178	1.230	0.593	0.800	195	140	123
LS-A15Y-1CE(V)	1/0	45	80	70	105	1.215	1.267	0.866	0.906	230	155	135
LS-A15Y-1DE(V)	2/0	45	80	70	105	1.254	1.307	1.020	1.039	270	185	162
LS-A15Y-1EE(V)	3/0	45	80	70	105	1.303	1.356	1.166	1.209	295	210	184
LS-A15Y-1FE(V)	4/0	45	80	70	105	1.354	1.408	1.401	1.435	335	240	210

25kV URD Cable

25kV Copper Conductor 100% Insulation



25kV Copper Conductor 100% Insulation Level 1/3 Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-C25X-3CE(V)	1/0	0.336	245	290	0.850	1.035	0.910	1.135	14	9
LS-C25X-3DE(V)	2/0	0.376	245	290	0.890	1.075	0.950	1.175	14	11
LS-C25X-3EE(V)	3/0	0.423	245	290	0.935	1.125	0.995	1.225	14	14
LS-C25X-3FE(V)	4/0	0.475	245	290	0.985	1.175	1.045	1.275	12	11
LS-C25X-3GE(V)	250	0.52	245	290	1.035	1.225	1.115	1.345	12	13
LS-C25X-3HE(V)	350	0.616	245	290	1.130	1.320	1.210	1.440	10	12
LS-C25X-3IE(V)	500	0.736	245	290	1.250	1.440	1.330	1.560	10	17
LS-C25X-3JE(V)	750	0.908	245	290	1.435	1.630	1.515	1.750	10	25
LS-C25X-3KE(V)	1000	1.060	245	290	1.590	1.780	1.700	1.930	10	32

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	3/C Direct Buried	3/C Duct Buried	3/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-C25X-3CE(V)	1/0	45	80	70	105	1.253	1.305	0.934	0.967	275	215	189
LS-C25X-3DE(V)	2/0	45	80	70	105	1.293	1.345	1.071	1.103	310	250	220
LS-C25X-3EE(V)	3/0	45	80	70	105	1.338	1.390	1.241	1.278	345	285	250
LS-C25X-3FE(V)	4/0	45	80	70	105	1.424	1.477	1.486	1.498	385	320	280
LS-C25X-3GE(V)	250	45	80	70	105	1.502	1.556	1.961	1.976	410	345	303
LS-C25X-3HE(V)	350	45	80	70	105	1.640	1.697	2.266	2.248	460	405	355
LS-C25X-3IE(V)	500	70	120	100	150	1.829	1.886	3.064	3.108	520	470	412
LS-C25X-3JE(V)	750	70	120	100	150	2.010	2.067	4.264	4.335	567	550	483
LS-C25X-3KE(V)	1000	70	120	100	150	2.189	2.246	5.460	5.555	625	615	540

25kV Copper Conductor 100% Insulation Level Full Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-C25X-1BE(V)	1	0.299	245	290	0.810	1.000	0.870	1.100	12	13
LS-C25X-1CE(V)	1/0	0.336	245	290	0.850	1.035	0.910	1.135	12	16
LS-C25X-1DE(V)	2/0	0.376	245	290	0.890	1.075	0.950	1.175	12	20
LS-C25X-1EE(V)	3/0	0.423	245	290	0.935	1.125	0.995	1.225	12	25
LS-C25X-1FE(V)	4/0	0.475	245	290	0.985	1.175	1.045	1.275	12	32

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-C25X-1BE(V)	1	45	80	70	105	1.247	1.301	1.017	1.037	245	185	162
LS-C25X-1CE(V)	1/0	45	80	70	105	1.284	1.338	1.167	1.192	280	215	189
LS-C25X-1DE(V)	2/0	45	80	70	105	1.325	1.378	1.353	1.386	315	240	210
LS-C25X-1EE(V)	3/0	45	80	70	105	1.374	1.423	1.584	1.627	360	275	241
LS-C25X-1FE(V)	4/0	45	80	70	105	1.425	1.477	1.884	1.942	415	315	276

25kV Aluminum Conductor 100% Insulation

25kV Aluminum Conductor 100% Insulation Level 1/3 Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-A25X-3CE(V)	1/0	0.336	245	290	0.850	1.035	0.910	1.135	14	6
LS-A25X-3DE(V)	2/0	0.376	245	290	0.890	1.075	0.950	1.175	14	7
LS-A25X-3EE(V)	3/0	0.423	245	290	0.935	1.125	0.995	1.225	14	9
LS-A25X-3FE(V)	4/0	0.475	245	290	0.985	1.175	1.045	1.275	14	11
LS-A25X-3GE(V)	250	0.52	245	290	1.035	1.225	1.115	1.345	14	13
LS-A25X-3HE(V)	350	0.616	245	290	1.130	1.320	1.210	1.440	12	11
LS-A25X-3IE(V)	500	0.736	245	290	1.250	1.440	1.330	1.560	12	16
LS-A25X-3JE(V)	750	0.908	245	290	1.435	1.630	1.515	1.750	10	15
LS-A25X-3KE(V)	1000	1.060	245	290	1.590	1.780	1.700	1.930	10	20

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	3/C Direct Buried	3/C Duct Buried	3/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-A25X-3CE(V)	1/0	45	80	70	105	1.253	1.305	0.673	0.701	225	165	145
LS-A25X-3DE(V)	2/0	45	80	70	105	1.293	1.345	0.733	0.763	250	180	158
LS-A25X-3EE(V)	3/0	45	80	70	105	1.342	1.394	0.819	0.853	275	205	180
LS-A25X-3FE(V)	4/0	45	80	70	105	1.393	1.445	0.916	0.954	310	240	210
LS-A25X-3GE(V)	250	45	80	70	105	1.471	1.523	1.042	1.083	335	260	228
LS-A25X-3HE(V)	350	45	80	70	105	1.600	1.654	1.292	1.306	395	325	285
LS-A25X-3IE(V)	500	45	80	70	105	1.719	1.843	1.609	1.769	445	390	342
LS-A25X-3JE(V)	750	70	120	100	150	2.006	2.063	2.295	2.337	515	475	417
LS-A25X-3KE(V)	1000	70	120	100	150	2.189	2.246	2.893	2.952	560	525	460

25kV Aluminum Conductor 100% Insulation Level Full Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-A25X-1BE(V)	1	0.299	245	290	0.650	0.820	0.710	0.920	14	13
LS-A25X-1CE(V)	1/0	0.336	245	290	0.690	0.860	0.750	0.960	14	16
LS-A25X-1DE(V)	2/0	0.376	245	290	0.730	0.900	0.790	1.000	12	13
LS-A25X-1EE(V)	3/0	0.423	245	290	0.775	0.945	0.835	1.045	12	16
LS-A25X-1FE(V)	4/0	0.475	245	290	0.825	1.000	0.885	1.100	12	20

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-A25X-1BE(V)	1	45	80	70	105	1.027	1.268	0.702	0.750	195	145	127
LS-A25X-1CE(V)	1/0	45	80	70	105	1.095	1.305	0.767	0.834	220	165	145
LS-A25X-1DE(V)	2/0	45	80	70	105	1.167	1.378	0.903	0.951	250	190	167
LS-A25X-1EE(V)	3/0	45	80	70	105	1.216	1.427	1.024	1.078	290	210	185
LS-A25X-1FE(V)	4/0	45	80	70	105	1.267	1.478	1.174	1.236	325	245	215

25kV URD Cable

25kV Copper Conductor 133% Insulation

25kV Copper Conductor 133% Insulation Level 1/3 Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-C25Y-3CE(V)	1/0	0.336	305	350	0.970	1.165	1.030	1.265	14	9
LS-C25Y-3DE(V)	2/0	0.376	305	350	1.010	1.205	1.090	1.325	14	11
LS-C25Y-3EE(V)	3/0	0.423	305	350	1.055	1.250	1.135	1.370	14	14
LS-C25Y-3FE(V)	4/0	0.475	305	350	1.105	1.300	1.185	1.420	12	11
LS-C25Y-3GE(V)	250	0.52	305	350	1.155	1.350	1.235	1.470	12	13
LS-C25Y-3HE(V)	350	0.616	305	350	1.275	1.450	1.330	1.570	10	12
LS-C25Y-3IE(V)	500	0.736	305	350	1.370	1.570	1.450	1.690	10	17
LS-C25Y-3JE(V)	750	0.908	305	350	1.555	1.755	1.665	1.905	10	25
LS-C25Y-3KE(V)	1000	1.060	305	350	1.710	1.905	1.820	2.055	10	32

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	3/C Direct Buried	3/C Duct Buried	3/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-C25Y-3CE(V)	1/0	45	80	70	105	1.379	1.431	0.852	1.078	275	215	189
LS-C25Y-3DE(V)	2/0	45	80	70	105	1.444	1.496	1.209	1.247	310	250	220
LS-C25Y-3EE(V)	3/0	45	80	70	105	1.489	1.541	1.384	1.426	345	285	250
LS-C25Y-3FE(V)	4/0	45	80	70	105	1.567	1.628	1.629	1.652	385	320	280
LS-C25Y-3GE(V)	250	45	80	70	105	1.620	1.682	2.079	2.107	410	345	303
LS-C25Y-3HE(V)	350	70	120	100	105	1.829	1.823	2.487	2.389	460	405	355
LS-C25Y-3IE(V)	500	70	120	100	150	1.947	2.012	3.213	3.272	520	470	412
LS-C25Y-3JE(V)	750	70	120	100	150	2.158	2.223	4.475	4.574	567	550	483
LS-C25Y-3KE(V)	1000	70	120	100	150	2.308	2.372	5.647	5.759	625	615	540

25kV Copper Conductor 133% Insulation Level Full Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-C25Y-1BE(V)	1	0.299	305	350	0.930	1.125	0.990	1.225	12	13
LS-C25Y-1CE(V)	1/0	0.336	305	350	0.970	1.165	1.030	1.265	12	16
LS-C25Y-1DE(V)	2/0	0.376	305	350	1.010	1.205	1.090	1.325	12	20
LS-C25Y-1EE(V)	3/0	0.423	305	350	1.055	1.250	1.135	1.370	12	25
LS-C25Y-1FE(V)	4/0	0.475	305	350	1.105	1.300	1.185	1.420	12	32

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-C25Y-1BE(V)	1	45	80	70	105	1.365	1.427	1.121	1.148	245	185	162
LS-C25Y-1CE(V)	1/0	45	80	70	105	1.402	1.464	1.274	1.307	280	215	189
LS-C25Y-1DE(V)	2/0	45	80	70	105	1.468	1.529	1.494	1.536	315	240	210
LS-C25Y-1EE(V)	3/0	45	80	70	105	1.513	1.575	1.73	1.783	360	275	241
LS-C25Y-1FE(V)	4/0	45	80	70	105	1.567	1.628	2.038	2.105	415	315	276

25kV Aluminum Conductor 133% Insulation

25kV Aluminum Conductor 133% Insulation Level 1/3 Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-A25Y-3CE(V)	1/0	0.336	305	350	0.970	1.165	1.030	1.265	14	6
LS-A25Y-3DE(V)	2/0	0.376	305	350	1.010	1.205	1.090	1.325	14	7
LS-A25Y-3EE(V)	3/0	0.423	305	350	1.055	1.250	1.135	1.370	14	9
LS-A25Y-3FE(V)	4/0	0.475	305	350	1.105	1.300	1.185	1.420	14	11
LS-A25Y-3GE(V)	250	0.52	305	350	1.155	1.350	1.235	1.470	14	13
LS-A25Y-3HE(V)	350	0.616	305	350	1.275	1.450	1.330	1.570	12	11
LS-A25Y-3IE(V)	500	0.736	305	350	1.370	1.570	1.450	1.690	12	16
LS-A25Y-3JE(V)	750	0.908	305	350	1.555	1.755	1.665	1.905	10	15
LS-A25Y-3KE(V)	1000	1.060	305	350	1.710	1.905	1.820	2.055	10	20

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	3/C Direct Buried	3/C Duct Buried	3/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-A25Y-3CE(V)	1/0	45	80	70	105	1.371	1.431	0.773	0.812	225	165	145
LS-A25Y-3DE(V)	2/0	45	80	70	105	1.436	1.496	0.867	0.908	250	180	158
LS-A25Y-3EE(V)	3/0	45	80	70	105	1.486	1.545	0.956	1.001	275	205	180
LS-A25Y-3FE(V)	4/0	45	80	70	105	1.537	1.597	1.059	1.107	310	240	210
LS-A25Y-3GE(V)	250	45	80	70	105	1.589	1.649	1.16	1.213	335	260	228
LS-A25Y-3HE(V)	350	45	80	70	105	1.719	1.780	1.421	1.445	395	325	285
LS-A25Y-3IE(V)	500	70	120	100	150	1.900	1.969	1.83	1.928	445	390	342
LS-A25Y-3JE(V)	750	70	120	100	150	2.154	2.219	2.512	2.567	515	475	417
LS-A25Y-3KE(V)	1000	70	120	100	150	2.308	2.372	3.076	3.148	560	525	460

25kV Aluminum Conductor 133% Insulation Level Full Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-A25Y-1BE(V)	1	0.299	305	350	0.930	1.125	0.990	1.225	14	13
LS-A25Y-1CE(V)	1/0	0.336	305	350	0.970	1.165	1.030	1.265	14	16
LS-A25Y-1DE(V)	2/0	0.376	305	350	1.010	1.205	1.090	1.325	12	13
LS-A25Y-1EE(V)	3/0	0.423	305	350	1.055	1.250	1.135	1.370	12	16
LS-A25Y-1FE(V)	4/0	0.475	305	350	1.105	1.300	1.185	1.420	12	20

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-A25Y-1BE(V)	1	45	80	70	105	1.334	1.394	0.813	0.859	195	145	127
LS-A25Y-1CE(V)	1/0	45	80	70	105	1.371	1.431	1.122	0.947	220	165	145
LS-A25Y-1DE(V)	2/0	45	80	70	105	1.468	1.529	1.071	1.098	250	190	167
LS-A25Y-1EE(V)	3/0	45	80	70	105	1.517	1.578	1.197	1.231	290	210	185
LS-A25Y-1FE(V)	4/0	45	80	70	105	1.567	1.630	1.353	1.395	325	245	215

35kV URD Cable

35kV Copper Conductor 100% Insulation

35kV Copper Conductor 100% Insulation Level 1/3 Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-C35X-3CE(V)	1/0	0.336	330	375	1.020	1.215	1.100	1.335	14	9
LS-C35X-3DE(V)	2/0	0.376	330	375	1.060	1.255	1.140	1.375	14	11
LS-C35X-3EE(V)	3/0	0.423	330	375	1.105	1.305	1.185	1.425	14	14
LS-C35X-3FE(V)	4/0	0.475	330	375	1.155	1.355	1.235	1.475	12	11
LS-C35X-3GE(V)	250	0.52	330	375	1.205	1.405	1.285	1.525	12	13
LS-C35X-3HE(V)	350	0.616	330	375	1.300	1.500	1.380	1.620	10	12
LS-C35X-3IE(V)	500	0.736	330	375	1.420	1.620	1.500	1.740	10	17
LS-C35X-3JE(V)	750	0.908	330	375	1.605	1.810	1.715	1.930	10	25
LS-C35X-3KE(V)	1000	1.06	330	375	1.955	1.960	2.065	2.080	10	33

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	3/C Direct Buried	3/C Duct Buried	3/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-C35X-3CE(V)	1/0	45	80	70	105	1.503	1.451	1.111	1.147	270	215	189
LS-C35X-3DE(V)	2/0	45	80	70	105	1.543	1.491	1.25	1.289	305	240	211
LS-C35X-3EE(V)	3/0	45	80	70	105	1.589	1.537	1.426	1.470	340	280	246
LS-C35X-3FE(V)	4/0	45	80	70	105	1.676	1.622	1.682	1.697	380	315	276
LS-C35X-3GE(V)	250	45	80	70	105	1.729	1.675	2.132	2.151	405	340	298
LS-C35X-3HE(V)	350	70	120	100	150	1.941	1.884	2.538	2.569	460	400	350
LS-C35X-3IE(V)	500	70	120	100	150	2.059	2.002	3.251	3.299	520	470	412
LS-C35X-3JE(V)	750	70	120	100	150	2.270	2.213	4.491	4.566	567	550	483
LS-C35X-3KE(V)	1000	70	120	100	150	2.419	2.363	5.641	5.744	625	615	540

35kV Copper Conductor 100% Insulation Level Full Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-C35X-1CE(V)	1/0	0.336	330	375	1.020	1.215	1.100	1.335	14	16
LS-C35X-1DE(V)	2/0	0.376	330	375	1.060	1.255	1.140	1.375	12	13
LS-C35X-1EE(V)	3/0	0.423	330	375	1.105	1.305	1.185	1.425	12	16
LS-C35X-1FE(V)	4/0	0.475	330	375	1.155	1.355	1.235	1.475	12	20

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-C35X-1CE(V)	1/0	45	80	70	105	1.503	1.451	1.196	1.241	280	215	189
LS-C35X-1DE(V)	2/0	45	80	70	105	1.576	1.523	1.405	1.424	310	240	211
LS-C35X-1EE(V)	3/0	45	80	70	105	1.622	1.568	1.603	1.629	355	275	241
LS-C35X-1FE(V)	4/0	45	80	70	105	1.676	1.622	1.605	1.887	410	315	276

35kV Aluminum Conductor 100% Insulation

35kV Aluminum Conductor 100% Insulation Level 1/3 Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-A35X-3CE(V)	1/0	0.336	330	375	1.020	1.215	1.100	1.335	14	6
LS-A35X-3DE(V)	2/0	0.376	330	375	1.060	1.255	1.140	1.375	14	7
LS-A35X-3EE(V)	3/0	0.423	330	375	1.105	1.305	1.185	1.425	14	9
LS-A35X-3FE(V)	4/0	0.475	330	375	1.155	1.355	1.235	1.475	14	11
LS-A35X-3GE(V)	250	0.52	330	375	1.205	1.405	1.285	1.525	14	13
LS-A35X-3HE(V)	350	0.616	330	375	1.300	1.500	1.380	1.620	12	11
LS-A35X-3IE(V)	500	0.736	330	375	1.420	1.620	1.500	1.740	12	16
LS-A35X-3JE(V)	750	0.908	330	375	1.605	1.810	1.715	1.930	10	15
LS-A35X-3KE(V)	1000	1.06	330	375	1.955	1.960	2.065	2.080	10	20

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	3/C Direct Buried	3/C Duct Buried	3/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-A35X-3CE(V)	1/0	45	80	70	105	1.503	1.451	0.849	0.881	215	165	145
LS-A35X-3DE(V)	2/0	45	80	70	105	1.543	1.491	0.916	0.949	245	190	167
LS-A35X-3EE(V)	3/0	45	80	70	105	1.593	1.541	1.008	1.046	275	215	189
LS-A35X-3FE(V)	4/0	45	80	70	105	1.644	1.592	1.112	1.154	305	245	215
LS-A35X-3GE(V)	250	45	80	70	105	1.696	1.644	1.214	1.258	335	270	238
LS-A35X-3HE(V)	350	70	120	100	150	1.898	1.837	1.553	1.628	390	320	280
LS-A35X-3IE(V)	500	70	120	100	150	2.016	1.955	1.881	1.970	440	385	338
LS-A35X-3JE(V)	750	70	120	100	150	2.266	2.209	2.547	2.589	515	475	417
LS-A35X-3KE(V)	1000	70	120	100	150	2.419	2.363	3.084	3.144	570	535	470

35kV Aluminum Conductor 100% Insulation Level Full Neutral

Code Word	Size	Outer Dia.	Insulation Thickness		Insulation Outer Dia.		Insulation shield Outer Dia.		Neutral Conductor	
	AWG/ KCM	Inch	Mils		Inch		Inch		AWG	EA
		Nom.	Min.	Max.	Min.	Max.	Min.	Max.	Size	-
LS-A35X-1CE(V)	1/0	0.336	330	375	1.020	1.215	1.100	1.335	14	16
LS-A35X-1DE(V)	2/0	0.376	330	375	1.060	1.255	1.140	1.375	12	13
LS-A35X-1EE(V)	3/0	0.423	330	375	1.105	1.305	1.185	1.425	12	16
LS-A35X-1FE(V)	4/0	0.475	330	375	1.155	1.355	1.235	1.475	12	20

Code Word	Size	Jacket Thickness				Approx Cable Outer Dia.		Approx. Cable Weight		Ampacity		
	AWG/ KCM	Filled(mils)		Overlaying(mils)		Filled	Overlaying	Filled	Overlaying	1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
		Min.	Max.	Min.	Max.	Inch	Inch	lb/ft	lb/ft			
LS-A35X-1CE(V)	1/0	45	80	70	105	1.503	1.451	0.97	1.015	220	165	145
LS-A35X-1DE(V)	2/0	45	80	70	105	1.576	1.523	1.119	1.137	250	195	310
LS-A35X-1EE(V)	3/0	45	80	70	105	1.626	1.572	1.246	1.271	285	220	193
LS-A35X-1FE(V)	4/0	45	80	70	105	1.677	1.623	1.403	1.436	325	250	220

Products & Systems of LS Cable

A Convenient World through the Use of Cable

The great technical competency and advanced manufacturing facilities of LS Cable have been recognized all over the world for its quality and reliability. Power cables, busducts, a wariety of cables, and rubber lines, which are the means of transport for light and electricity, opticcal cables that enable the mulimedia age, the world's largest optical fiber pre-form, coaxial systems that advance the wireless informstion age, wireless communication system that eliminate areas without communication capabilities, and FTTH show the current status of LS Cable clearly. A total solutions system that performs any and all services related to cables ranging from design, construction, and maintenance of the Cable division of LS Cable.

Energy

The state-of-the-art technologies of LS Cable meet the needs of consumers in global markets. Our technologies are used in power plants, international industrial sites, large buildings, factories, vehicles, ships, planes, and trains. Super-high voltage cables and connection materials recognized in global markets for their high technical competence, overhead power transmission lines and optical composite overhead ground wires that are both high capacity and light weight, differentiated construction technologies (live line technique), monitoring systems that can show whether lines have any errors, and ultra-conductible cables whose conductor loss ratio is zero.
LS Cable sets the standard for: Environmentally friendly low-toxicity lead-free cables that preserve the environment and protect humans; heat-resistant flame-retardant cables used in vehicles and trains; cables for ships and maritime devices recognized all over the world; magnet litz wire for high-resolution monitors; booth duct systems that enable the safe transmission of high capacity electricity, and total global solutions.

Extra High Voltage Cable
Overhead Transmission Line
Submarine Cable
Medium & Low Voltage Cable
Industrial & Speciality Cable
Busduct

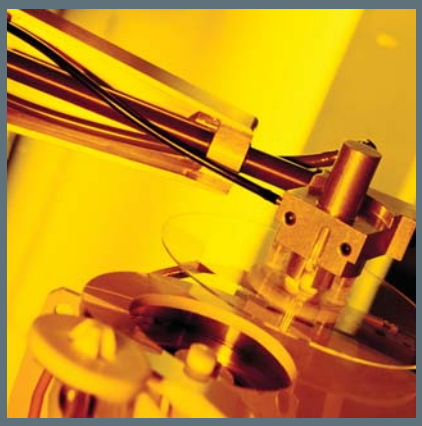
Telecommunication

A super-high information society where any information can be shared anywhere in the world through a thin strand of optical fiber, optical cables that allow the multimedia age, the largest optical preform in the world, optical components such as optical Tx/Rx modules, LAN cables of 10 Gigabytes, and coaxial systems that advance wireless information systems.
LS Cable has helped construct the information super-highway and has built optical communications networks at home over FTTH by using the best production technologies in the world.

Optical Cable
LAN Cable
RF
FTTH(Fiber To The Home)
SI(System Integration)

Integrated Module & Cable

LS Cable has manufactured the best in customized products including cables used for wiring inside electric and electronic devices, home appliances, Factory Automation (FA) cables, communications cables for wired/wireless communication systems as well as analog/digital signal transmission, power supply cables for devices required for vehicle operation and control of sensors, and special cable lines such as industrial tubes.



Industrial Cable & Module
Automotive Wire & Cable Solution
Tube Components

Copper & Aluminum

The Materials division of LS Cable specializes in aluminum parts for vehicles and has developed the eXtra Thermal Aluminum Alloy (XTAL), which is a new aluminum alloy material, a first in Korea""s cable industry. LS Cable has also manufactured high value winding products. In the amazing world created by LS Cable, which has established its brand power through continuous globalization and quality assurance, we can enjoy anything and everything.

Copper Rod
Magnet Wires
Aluminum Materials
Industrial Rubber

Medium Voltage Cable

What are Medium Voltage Cable?

The insulation material of this cable is cross-linked polyethylene, which has a heat-resistance rating up to 90℃. Thus this product is excellent for applications requiring intensive heat resistance. It is categorized as flame retardant, heat-resistant, or environmentally friendly depending on its features.

Uses

- It is often used to supply power reliably to commercial or residential buildings and to industrial distribution circuits.
- Also, places where high flame retardant performance is required to prevent catastrophic fires from being spread
- Places where high flame retardant performance for public facilities such as hospitals, underground shopping centers, airport terminals, large buildings, and subways is required and toxic gas and fumes from fire need to be suppressed.

Characteristics

- Ensures excellent performance through self-development and reliable processing of cable materials based on the best technical competency and R D. These cables have the optimal exterior finish appropriate for the features.
- Easy to make or connect due to its optical cable structure and configuration
- New materials that do not contain substances harmful to environments are used for environmentally friendly cables.

Main Features

- Regular : Used for interior wiring of housing and commercial buildings as well as industrial distribution circuits
- Flame-retardant : Used for preventing fires
- Heat Resistance : Designed with firefighting in mind
- Low Toxic, Lead-free : Environmentally friendly as it is made with materials that are not harmful to?the environment and does not emit toxic gases and noxious smoke in case of fire.
- Watertight : Used to prevent water tree from occurring at the insulator
- For External Use : Metal exterior to prevent insulating the cores
- Chemical Resistance: Used in chemical factories that may be exposed to flamable gas fumes and that require chemical resistance

Cables for Control, Signals, and Instrumentation

Cross-linked polyethylene such as flame-retardant vinyl (PVC), which is heat-resistant up to 90℃, ensures excellent heat proofing since it is made of efficient insulation materials. These cables have a shielding feature appropriate for devices that require precision, are flame-retardant, and are environmentally friendly.

Insulation Cables

Insulation cables ensure excellent heat-resistance by using halogen free,flame-retardant cross-linked polyolefin, heat-resistant to 90℃, and heat-resistant vinyl (PVC).

Global Network

LS Cable Global Network Reaching All Over the World

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Bramsche, Germany
-Standard round wire

Arolsen, Germany
-Standard round wire, shaped and flat

Macon, France
-Fine wire and standard round wire

Mayzieu, France
-Enamel

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Quattordio, Italy (2 Facilities)
-Standard round wire, shaped and flat

Viana de Castelo, Portugal
-Fine wire

Huyton Quarry, UK
-Standard round wire

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Tianjin, China
-Flat and shaped products

Suzhou, China
-Standard round wire

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Columbia City, Indiana USA
-Copper rod production

Franklin, Indiana USA (Femcoe JV)
-Standard round wire

Kendallville, Indiana USA
-Fine wire

Willowbrook, Illinois USA
-Fabricated insulation

Fort Wayne, Indiana USA
-Standard round wire, flat wire, enamel

Torreon, Mexico
-Standard round wire

Brownwood, Texas USA
-OSP, Fiber

Hoisington, Kansas USA
-Premise, OSP

Franklin, Tennessee USA
-Standard round wire (Cu and Al)

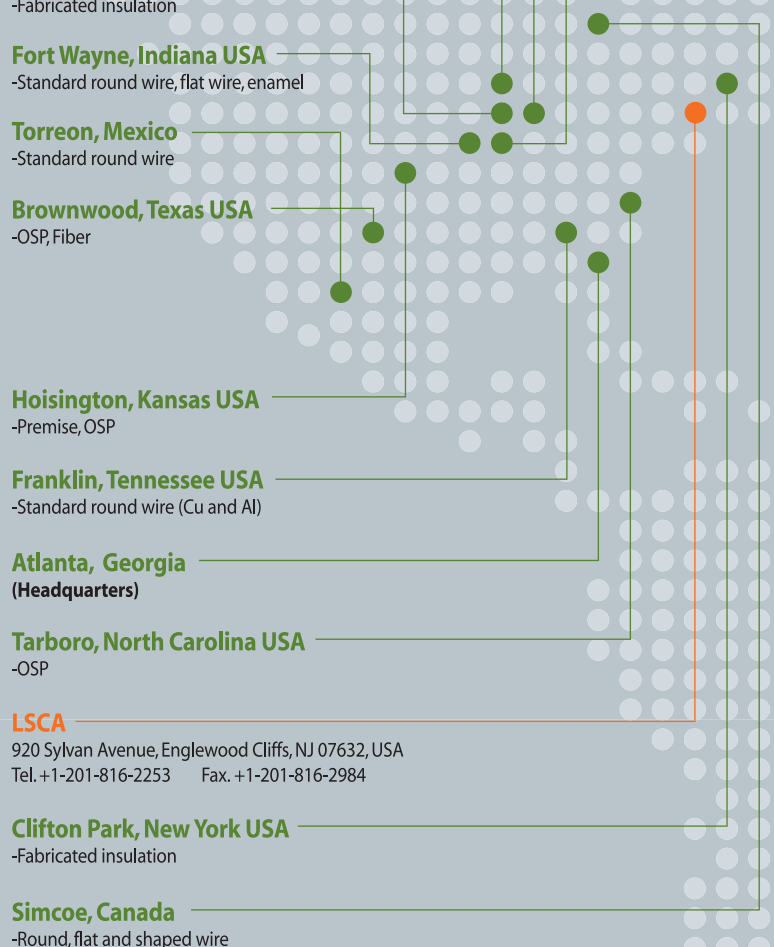
Atlanta, Georgia
(Headquarters)

Tarboro, North Carolina USA
-OSP

LSCA
920 Sylvan Avenue, Englewood Cliffs, NJ 07632, USA
Tel. +1-201-816-2253 Fax. +1-201-816-2984

Clifton Park, New York USA
-Fabricated insulation

Simcoe, Canada
-Round, flat and shaped wire



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