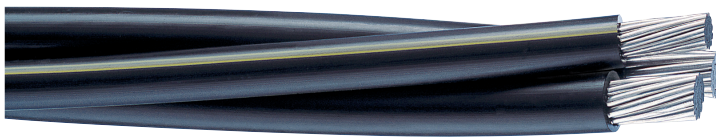


# 600 Volt SUPERFLEX™ XLP

Low Voltage Utility Cables



### Applications

Secondary UD Power Cable, with aluminum conductors and a single-layer cross-linked polyethylene insulation that is formulated for a balance of flexibility and mechanical toughness.

### Specifications

**UL-** UL 854

**ICEA-** ICEA S-105-692

**REA-** REA U-2

For 90°C Wet or Dry Operation.

### Ratings

Type USE-2

### Options

- Strandseal®
- Copper or Series 8000 Aluminum Conductor(s)
- Paralleled
- Solid Black Neutral

### Installation



Direct Buried



Underground Duct



Wet Locations



Dry Locations



Utility Secondary



Industrial



Underground Service Entrance

### Design Parameters

**CONDUCTORS:** Class B Compressed Unilay (1 AWG to 4/0 AWG) or Compressed Round aluminum alloy 1350 per ASTM.

**PHASE INSULATION:** Extruded thermosetting cross-linked black, sunlight resistant polyethylene.

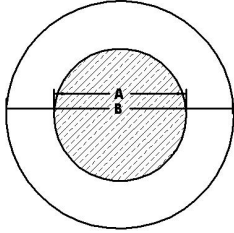
**NEUTRAL INSULATION:** Extruded thermosetting cross-linked black, sunlight resistant polyethylene with three extruded yellow stripes (120° apart) for neutral identification.

**ASSEMBLY:** For multiple cable assemblies, one, two, or three phase conductors with one neutral twisted together.

**CABLE MARKINGS:** Sequential footage markings on one phase conductor. Phase identification surface printed in white ink: 1/C - "Phase A", 1/C - "Phase B", 1/C - "Phase C", as applicable.

## 600 Volt SUPERFLEX™ XLP

Low Voltage Utility Cables



Product Number	Code Name	Phase Conductor	Phase Insulation Thickness (mils)	Phase Conductor Diameter (in)	Outside Diameter (in)	Cable Weight (lbs./kft)	Minimum Bending Radius (in)	† Ampacity (Amps)	
								90°C In Duct	90°C Direct Buried
<b>600 Volt Aluminum Single Conductor</b>									
QOI300A	Cornell	8 AWG AL	60	0.143	0.27	33	2	45	70
QOJ300A	Princeton	6 AWG AL	60	0.180	0.31	44	2	55	90
QOK300A	Mercer	4 AWG AL	60	0.226	0.35	63	2	75	120
QOM300A	Clemson	2 AWG AL	60	0.284	0.41	92	2	100	155
QOO300A	Kenyon	1 AWG AL	80	0.313	0.48	121	2	115	175
QOQ300A	Harvard	1/0 AWG AL	80	0.352	0.52	146	3	135	200
QOR300A	Yale	2/0 AWG AL	80	0.395	0.56	177	3	155	225
QOS300A	Tufts	3/0 AWG AL	80	0.443	0.61	215	3	180	260
QOT300A	Beloit	4/0 AWG AL	80	0.498	0.67	263	3	210	295
QOU300A	Hofstra	250 MCM AL	95	0.561	0.76	318	4	230	320
QOV300A	Rutgers	350 MCM AL	95	0.664	0.87	427	4	285	385
QOW300A	Emory	500 MCM AL	95	0.794	1.00	587	4	350	465
QOX300A	Sewanee	750 MCM AL	110	0.974	1.21	867	7	455	580
QOY300A	Fordham	1000 MCM AL	110	1.124	1.36	1128	7	540	670

**PRODUCT NOTES:**

<sup>5</sup> Items are Prysmian authorized stock.  
The above dimensions are approximate and subject to normal manufacturing tolerances.

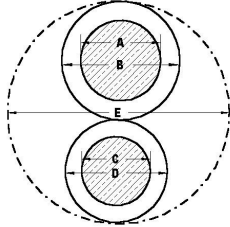
Conductor sizes #4 AWG and larger, with the exception of #1 AWG 19/Wire, are available with Strandseal®

† Ampacities are based on the following:

Three conductors triplexed, 90°C conductor temperature, 20°C ambient earth temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and three phase operation.

# 600 Volt SUPERFLEX™ XLP

Low Voltage Utility Cables



Product Number	Code Name	Phase Conductor	Phase Insulation Thickness (mils)	Neutral Conductor	Neutral Insulation Thickness (mils)	Phase Conductor Diameter (in)	Phase Insulation Diameter (in)	Neutral Conductor Diameter (in)	Neutral Insulation Diameter (in)	Outside Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	
													(A)	(B)
<b>600 Volt Aluminum Duplexed - 1/C Phase and 1/C Neutral</b>														
Q0IA10A	Bard	8 AWG AL	60	8 AWG AL	60	0.143	0.27	0.143	0.27	0.54	65	3	50	85
Q0JA10A	Claffin	6AWGAL	60	6 AWGAL	60	0.180	0.31	0.180	0.31	0.62	90	3	65	110
Q0KAK0A	Delgado	4AWGAL	60	4 AWGAL	60	0.226	0.35	0.226	0.35	0.71	128	3	85	140
Q0MAM0A	Everett	2AWGAL	60	2 AWGAL	60	0.284	0.41	0.284	0.41	0.82	185	4	115	180
Q0RAR0A	Findlay	2/0AWGAL	80	2/0 AWGAL	80	0.395	0.56	0.395	0.56	1.13	355	6	175	265
Q0TAT0A	Hanover	4/0AWGAL	80	4/0 AWGAL	80	0.498	0.67	0.498	0.67	1.33	529	7	235	345
Q0VAV0A	Glenville	350MCMAL	95	350 MCMAL	95	0.664	0.87	0.664	0.87	1.73	857	9	325	455

**PRODUCT NOTES:**

<sup>5</sup> Items are Prysmian authorized stock. The above dimensions are approximate and subject to normal manufacturing tolerances.

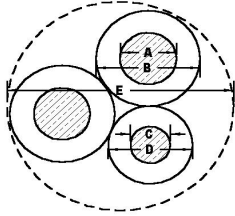
Conductor sizes #4 AWG and larger, with the exception of #1 AWG 19/Wire, are available with Strandseal®

† Ampacities are based on the following:

Three conductors triplexed, 90°C conductor temperature, 20°C ambient earth temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and three phase operation.

# 600 Volt SUPERFLEX™ XLP

Low Voltage Utility Cables



Product Number	Code Name	Phase Conductor	Phase Insulation Thickness (mils)	Neutral Conductor	Neutral Insulation Thickness (mils)	Phase Conductor Diameter (in)					Outside Diameter (in)	Cable Weight (lbs/100ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	
						(A)	(B)	(C)	(D)	(E)				90°C In Duct	90°C Direct Buried
<b>600 Volt Aluminum Triplexed - 2/C Phase and 1/C Neutral</b>															
QOIB0A	Dowling	8 AWG AL	60	8 AWG AL	60	0.143	0.27	0.143	0.27	0.58	97	3		50	85
<sup>5</sup> QOJB0A	Erskine	6 AWG AL	60	6 AWG AL	60	0.180	0.31	0.180	0.31	0.66	134	3		65	110
<sup>5</sup> QOKBK0A	Vassar	4 AWG AL	60	4 AWG AL	60	0.226	0.35	0.226	0.35	0.76	191	4		85	140
<sup>5</sup> QOMBK0A	Stephens	2 AWG AL	60	4 AWG AL	60	0.284	0.41	0.226	0.35	0.86	249	4		115	180
QOMBM0A	Ramapo	2 AWG AL	60	2 AWG AL	60	0.284	0.41	0.284	0.41	0.89	278	4		115	180
QO0B00A	Grossmont	1 AWG AL	80	1 AWG AL	80	0.313	0.48	0.313	0.48	1.03	364	6		130	205
<sup>5</sup> QOQB0M0A	Brenau	1/0 AWG AL	80	2 AWG AL	60	0.352	0.52	0.284	0.41	1.06	385	6		155	235
QOQBQ0A	Bergen	1/0 AWG AL	80	1/0 AWG AL	80	0.352	0.52	0.352	0.52	1.12	439	6		155	235
QORBM0A	Fisk	2/0 AWG AL	80 2	2 AWG AL	60	0.395	0.56	0.284	0.41	1.13	447	6		175	265
<sup>5</sup> QORB00A	Converse	2/0 AWG AL	80	1 AWG AL	80	0.395	0.56	0.313	0.48	1.17	476	6		175	265
QORBQ0A	Shaw	2/0 AWG AL	80	1/0 AWG AL	80	0.395	0.56	0.352	0.52	1.19	501	6		175	265
QORBR0A	Hunter	2/0 AWG AL	80	2/0 AWG AL	80	0.395	0.56	0.395	0.56	1.21	533	7		175	265
QOSBM0A	Calvert	3/0 AWG AL	80	2 AWG AL	60	0.443	0.61	0.284	0.41	1.22	524	7		205	305
QOSB00A	Chase	3/0 AWG AL	80	1 AWG AL	80	0.443	0.61	0.313	0.48	1.24	553	7		205	305
<sup>5</sup> QOSBQ0A	Hollins	3/0 AWG AL	80	1/0 AWG AL	80	0.443	0.61	0.352	0.52	1.27	578	7		205	305
QOSBS0A	Rockland	3/0 AWG AL	80	3/0 AWG AL	80	0.443	0.61	0.443	0.61	1.31	648	7		205	305
QOTB00A	Coburn	4/0 AWG AL	80	1 AWG AL	80	0.498	0.67	0.313	0.48	1.34	649	7		235	345
QOTBQ0A	Molloy	4/0 AWG AL	80	1/0 AWG AL	80	0.498	0.67	0.352	0.52	1.35	674	7		235	345
<sup>5</sup> QOTBR0A	Sweetbriar	4/0 AWG AL	80	2/0 AWG AL	80	0.498	0.67	0.395	0.56	1.37	705	7		235	345
QOTBT0A	Monmouth	4/0 AWG AL	80	4/0 AWG AL	80	0.498	0.67	0.498	0.67	1.43	792	8		235	345
QOUBR0A	Aquinas	250 MCM AL	95	2/0 AWG AL	80	0.561	0.76	0.395	0.56	1.53	816	8		260	375
QOUBS0A	Pratt	250 MCM AL	95	3/0 AWG AL	80	0.561	0.76	0.443	0.61	1.57	854	8		260	375
QOUBU0A	Yeshiva	250 MCM AL	95	250 MCM AL	95	0.561	0.76	0.561	0.76	1.64	958	9		260	375
QOVBQ0A	Greenville	350 MCM AL	95	1/0 AWG AL	80	0.664	0.87	0.352	0.52	1.73	1003	9		325	455
QOVBS0A	Gloucester	350 MCM AL	95	3/0 AWG AL	80	0.664	0.87	0.443	0.61	1.74	1072	9		325	455
<sup>5</sup> QOVBT0A	Wesleyan	350 MCM AL	95	4/0 AWG AL	80	0.664	0.87	0.498	0.67	1.76	1120	9		325	455
QOVBV0A	Newark	350 MCM AL	95	350 MCM AL	95	0.664	0.87	0.664	0.87	1.86	1285	10		325	455
QOWBT0A	Old Dominion	500 MCM AL	95	4/0 AWG AL	80	0.794	1.00	0.498	0.67	1.99	1440	10		400	555
QOWBV0A	Rider	500 MCM AL	95	350 MCM AL	95	0.794	1.00	0.664	0.87	2.07	1605	13		400	555
QOWBW0A	Westchester	500 MCM AL	95	500 MCM AL	95	0.794	1.00	0.794	1.00	2.14	1765	13		400	555
QOXBV0A	Villanova	750 MCM AL	110	350 MCM AL	95	0.974	1.21	0.664	0.87	2.43	2166	15		400	555
QOXBW0A	Fairfield	750 MCM AL	110	500 MCM AL	95	0.974	1.21	0.794	1.00	2.49	2327	15		520	685
QOXBX0A	Seton Hall	750 MCM AL	110	750 MCM AL	110	0.974	1.21	0.974	1.21	2.60	2611	16		520	685

**PRODUCT NOTES:**

<sup>5</sup> Items are Prysmian authorized stock. The above dimensions are approximate and subject to normal manufacturing tolerances.

Conductor sizes #4 AWG and larger, with the exception of #1 AWG 19/Wire, are available with Strandseal®

† Ampacities are based on the following:

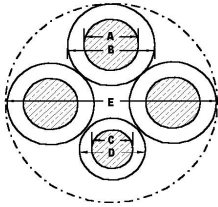
90°C conductor temperature, 20°C ambient earth temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and neutral carrying only unbalanced load.

**Prysmian Group**

700 Industrial Drive | Lexington, SC 29072 | +1-800-845-8507 | website: [na.prysmiangroup.com](http://na.prysmiangroup.com)  
 137 Commerce Drive | Johnstown, Ontario K0E 1T1

# 600 Volt SUPERFLEX™ XLP

Low Voltage Utility Cables



Product Number	Code Name	Phase Conductor	Phase Insulation Thickness (mils)	Neutral Conductor	Neutral Insulation Thickness (mils)	Phase Conductor Diameter (in)					Outside Diameter (in)	Cable Weight (lbs/1000ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	
						(A)	(B)	(C)	(D)	(E)				90°C In Duct	90°C Direct Buried
<b>600 Volt Aluminum Quadruplexed - 3/C Phase and 1/C Neutral</b>															
QOKCKOA	Tulsa	4 AWG AL	60	4 AWG AL	60	0.226	0.35	0.226	0.35	0.86	254	4		75	120
QOMCJOA	Miami	2 AWG AL	60	6 AWG AL	60	0.284	0.41	0.180	0.31	0.94	322	4		100	155
QOMCKOA	Dyke	2 AWG AL	60	4 AWG AL	60	0.284	0.41	0.226	0.35	0.97	341	4		100	155
QOMCMOA	Wittenberg	2 AWG AL	60	2 AWG AL	60	0.284	0.41	0.284	0.41	1.00	370	6		100	155
QOQCMOA	Notre Dame	1/0 AWG AL	80	2 AWG AL	60	0.352	0.52	0.284	0.41	1.20	531	7		135	200
QOQCQOA	Purdue	1/0 AWG AL	80	1/0 AWG AL	80	0.352	0.52	0.352	0.52	1.26	585	7		135	200
QORCOOA	Syracuse	2/0 AWG AL	80	1 AWG AL	80	0.395	0.56	0.313	0.48	1.33	653	7		155	225
QORCROA	Lafayette	2/0 AWG AL	80	2/0 AWG AL	80	0.395	0.56	0.395	0.56	1.37	710	7		155	225
QOSCQOA	Swarthmore	3/0 AWG AL	80	1/0 AWG AL	60	0.443	0.61	0.352	0.52	1.44	794	8		180	260
QOSCSOA	Davidson	3/0 AWG AL	80	3/0 AWG AL	80	0.443	0.61	0.443	0.61	1.48	864	8		180	260
QOTCMOA	McPherson	4/0 AWG AL	80	2 AWG AL	60	0.498	0.67	0.284	0.41	1.48	884	8		210	295
QOTCQOA	Doane	4/0 AWG AL	80	1/0 AWG AL	80	0.498	0.67	0.352	0.52	1.54	938	8		210	295
QOTCROA	Wake Forest	4/0 AWG AL	80	2/0 AWG AL	80	0.498	0.67	0.395	0.56	1.55	969	8		210	295
QOTCTOA	Earlham	4/0 AWG AL	80	4/0 AWG AL	80	0.498	0.67	0.498	0.67	1.62	1056	9		210	295
QOUCSOA	Rust	250 MCM AL	95	3/0 AWG AL	80	0.561	0.76	0.443	0.61	1.78	1173	9		230	320
QOUCUOA	Palomar	250 MCM AL	95	250 MCM AL	95	0.561	0.76	0.561	0.76	1.85	1277	10		230	320
QOVCTOA	Slippery Rock	350 MCM AL	95	4/0 AWG AL	80	0.664	0.87	0.498	0.67	2.00	1548	11		285	385
QOVVVOA	Niagara	350 MCM AL	95	350 MCM AL	95	0.664	0.87	0.664	0.87	2.10	1713	13		285	385
QOWCVOA	Wofford	500 MCM AL	95	350 MCM AL	95	0.794	1.00	0.664	0.87	2.35	2192	15		350	465
QOWCWOA	Marshall	500 MCM AL	95	500 MCM AL	95	0.794	1.00	0.794	1.00	2.42	2352	15		350	465
QOXCVOA	Westminster	750 MCM AL	110	350 MCM AL	95	0.974	1.21	0.664	0.87	2.76	3035	17		455	580
QOXCWOA	Windham	750 MCM AL	110	500 MCM AL	95	0.974	1.21	0.794	1.00	2.82	3195	17		455	580
QOXCXOA	Tabor	750 MCM AL	110	750 MCM AL	110	0.974	1.21	0.974	1.21	2.94	3479	18		455	580

**PRODUCT NOTES:**

<sup>5</sup> Items are Prysmian authorized stock. The above dimensions are approximate and subject to normal manufacturing tolerances.

Conductor sizes #4 AWG and larger, with the exception of #1 AWG 19/Wire, are available with Strandseal®

† Ampacities are based on the following:

90°C conductor temperature, 20°C ambient earth temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, three phase operation, and neutral carrying no load.

© PRYSMIAN - A Brand of The Prysmian Group 2015. All Rights Reserved. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed correct at the time of issue. Prysmian Group reserves the right to amend any specifications without notice. These specifications are not contractually valid unless authorized by Prysmian Group. Issued July 2015.

**Prysmian Group**

700 Industrial Drive | Lexington, SC 29072 | +1-800-845-8507 | website: [na.prysmiangroup.com](http://na.prysmiangroup.com)  
 137 Commerce Drive | Johnstown, Ontario K0E 1T1