

Description

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



Design Parameters

Conductor

- 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 polyethylene.

Neutral Insulation

- Extruded thermosetting cross-linked black 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

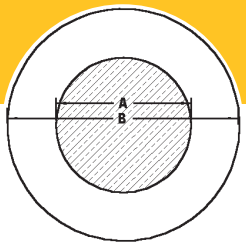
- Sequential footage markings on one phase conductor. Phase identification surface printed in white ink: 1/C - "Phase A", 1/C - "Phase B", 1/C - "Phase C", as applicable.

Options

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

Installations

-  Direct Buried
-  Underground Duct
-  Wet Locations
-  Dry Locations
-  Utility Secondary
-  Industrial
-  Underground Service Entrance



SUPERFLEX™ XLP

600 Volt

Product Number	Code Name	Phase Conductor	Phase Insulation Thickness (mil)		Phase Conductor Diameter (in.)	Outside Diameter (in.)	Cable Weight (lbs/ft)	Minimum Bending Radius (in.)	† Ampacity (Amps)	
			(A)	(B)					90°C In Duct	90°C Direct Buried
600 Volt Aluminum Single Conductor										
QOI300A	Cornell	8 AWG AL	60	0.143	0.27	33	2	45	70	
QQJ300A	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	
QQQ300A	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	

Information Subject to Change without Notice.

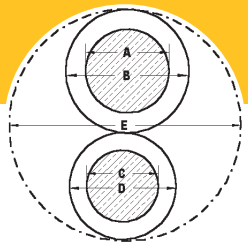
PRODUCT NOTES:

▲ 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.



SUPERFLEX™ XLP

600 Volt

Product Number	Code Name	Phase Conductor	Phase Insulation Thickness (mils)		Neutral Conductor		Neutral Insulation Thickness (mils)		Phase Conductor Diameter (in.)		Neutral Conductor Diameter (in.)		Outside Diameter (in.)	Cable Weight (lbs./ft)	Minimum Bending Radius (in.)		† Ampacity (Amps)
			(A)	(B)	(C)	(D)	(E)	(A)	(B)	(C)	(D)	(E)			90°C In Duct	90°C Direct Buried	
600 Volt Aluminum Duplexed - 1/C Phase and 1/C Neutral																	
QOIAIOA	Bard	8 AWG AL	60	8 AWG AL	60	0.143	0.27	0.143	0.27	0.54	65	3	50	85			
QOJAJOA	Claffin	6 AWG AL	60	6 AWG AL	60	0.180	0.31	0.180	0.31	0.62	90	3	65	110			
QOKAKOA	Delgado	4 AWG AL	60	4 AWG AL	60	0.226	0.35	0.226	0.35	0.71	128	3	85	140			
QOMAMOA	Everett	2 AWG AL	60	2 AWG AL	60	0.284	0.41	0.284	0.41	0.82	185	4	115	180			
QORAROA	Findlay	2/0 AWG AL	80	2/0 AWG AL	80	0.395	0.56	0.395	0.56	1.13	355	6	175	265			
QOTATOA	Hanover	4/0 AWG AL	80	4/0 AWG AL	80	0.498	0.67	0.498	0.67	1.33	529	7	235	345			
QOVAVOA	Glenville	350 MCM AL	95	350 MCM AL	95	0.664	0.87	0.664	0.87	1.73	857	9	325	455			

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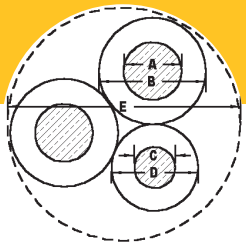
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90°C conductor temperature, 20°C ambient earth temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and 36 inch depth of burial.



SUPERFLEX™ XLP

600 Volt

Product Number	Code Name	Phase Conductor	Phase Insulation Thickness (mils)		Neutral Insulation Thickness (mils)		Phase Conductor Diameter (in.)		Neutral Conductor Diameter (in.)		Outside Diameter (in.)	Cable Weight (lbs/ft)	Minimum Bending Radius (in.)		† Ampacity (Amps)
			Phase	Neutral	Phase	Neutral	(A)	(B)	(C)	(D)			(E)	90°C In Duct	
600 Volt Aluminum Triplexed - 2/C Phase and 1/C Neutral															
QOIB0A	Dowling	8 AWG AL	60	8 AWG AL	60	0.143	0.27	0.143	0.27	0.58	97	3	50	85	
▲ QOJB0A	Erskine	6 AWG AL	60	6 AWG AL	60	0.180	0.31	0.180	0.31	0.66	134	3	65	110	
▲ QOKB0A	Vassar	4 AWG AL	60	4 AWG AL	60	0.226	0.35	0.226	0.35	0.76	191	4	85	140	
▲ QOMB0A	Stephens	2 AWG AL	60	4 AWG AL	60	0.284	0.41	0.226	0.35	0.86	249	4	115	180	
QOMB0A	Ramapo	2 AWG AL	60	2 AWG AL	60	0.284	0.41	0.284	0.41	0.89	278	4	115	180	
QOQB0A	Grossmont	1 AWG AL	80	1 AWG AL	80	0.313	0.48	0.313	0.48	1.03	364	6	130	205	
▲ QOQB0A	Brenau	1/0 AWG AL	80	2 AWG AL	60	0.352	0.52	0.284	0.41	1.06	385	6	155	235	
QOQB0A	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 AWG AL	60	0.395	0.56	0.284	0.41	1.13	447	6	175	265	
▲ QORB0A	Converse	2/0 AWG AL	80	1 AWG AL	80	0.395	0.56	0.313	0.48	1.17	476	6	175	265	
QORB0A	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	
QOSB0A	Chase	3/0 AWG AL	80	1 AWG AL	80	0.443	0.61	0.313	0.48	1.24	553	7	205	305	
▲ QOSB0A	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	
QOTB0A	Coburn	4/0 AWG AL	80	1 AWG AL	80	0.498	0.67	0.313	0.48	1.34	649	7	235	345	
QOTB0A	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	
▲ QOTB0A	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	
▲ 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	

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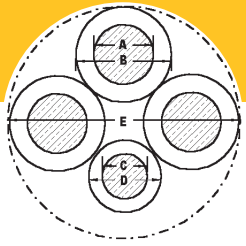
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90°C conductor temperature, 20°C ambient earth temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and neutral carrying only unbalanced load.



1-800-845-8507 (US)
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600 Volt

Product Number	Code Name	Phase Conductor	Phase Insulation Thickness (mils)		Neutral Insulation Thickness (mils)		Phase Conductor Diameter (in.)		Neutral Conductor Diameter (in.)		Outside Diameter (in.)	Cable Weight (lbs/ft)	Minimum Bending Radius (in.)		† Ampacity (Amps)
			Phase	Neutral	Phase	Neutral	(A)	(B)	(C)	(D)			(E)	90°C In Duct	
600 Volt Aluminum Quadruplexed - 3/C Phase and 1/C Neutral															
QOKCK0A	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	
QOMCK0A	Dyke	2 AWG AL	60	4 AWG AL	60	0.284	0.41	0.226	0.35	0.97	341	4	100	155	
QOMCM0A	Wittenberg	2 AWG AL	60	2 AWG AL	60	0.284	0.41	0.284	0.41	1.00	370	6	100	155	
QOQCM0A	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	
QOQCQ0A	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	
QORCO0A	Syracuse	2/0 AWG AL	80	1 AWG AL	80	0.395	0.56	0.313	0.48	1.33	653	7	155	225	
QORCR0A	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	
QOSCQ0A	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	
QOSCS0A	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	
QOTCM0A	McPherson	4/0 AWG AL	80	2 AWG AL	60	0.498	0.67	0.284	0.41	1.48	884	8	210	295	
QOTCQ0A	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	
QOTCR0A	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	
QOTCT0A	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	
QOUCS0A	Rust	250 MCM AL	95	3/0 AWG AL	80	0.561	0.76	0.443	0.61	1.78	1173	9	230	320	
QOUCU0A	Palomar	250 MCM AL	95	250 MCM AL	95	0.561	0.76	0.561	0.76	1.85	1277	10	230	320	
QOVCT0A	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	
QOVCV0A	Niagara	350 MCM AL	95	350 MCM AL	95	0.664	0.87	0.664	0.87	2.10	1713	13	285	385	
QOWCV0A	Wofford	500 MCM AL	95	350 MCM AL	95	0.794	1.00	0.664	0.87	2.35	2192	15	350	465	
QOWCW0A	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	
QOXCW0A	Windham	750 MCM AL	110	500 MCM AL	95	0.974	1.21	0.794	1.00	2.82	3195	17	455	580	
QOXCX0A	Tabor	750 MCM AL	110	750 MCM AL	110	0.974	1.21	0.974	1.21	2.94	3479	18	455	580	

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