



## Description

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

## Specifications

**UL** UL 854

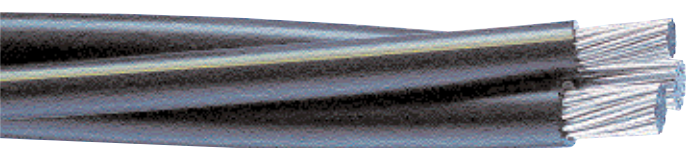
**ICEA** ICEA S-81-570

**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 composite two layer SUPERTUF<sup>®</sup> cable insulation consisting of a clear inner layer of linear low-density polyethylene and outer layer of black high density polyethylene. The two layers are firmly bonded together and cross-linked.

### Neutral Insulation

- Extruded composite two layer SUPERTUF<sup>®</sup> cable insulation consisting of a clear inner layer of linear low-density polyethylene and outer layer of black high-density polyethylene with extruded yellow stripes for neutral identification.

### Assembly

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

### Cable Markings

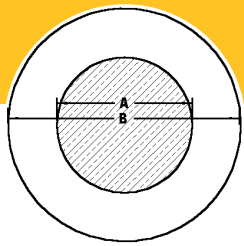
- Sequential footage markings on one phase conductor. Phase identification surface printed in white ink: 1/C - "Phase A", 1/C - "Phase B", 1/C - "Phase C", as applicable.

## Options

- Strandseal<sup>®</sup>
- 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



# SUPERTUF<sup>®</sup> RUGGEDIZED

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					
<b>600 Volt Aluminum Single Conductor</b>											
QØI31ØA	Cornell	8 AWG AL	60	0.143	0.27	33	2	45	70		
QØJ31ØA	Princeton	6 AWG AL	60	0.180	0.31	45	2	55	90		
QØK31ØA	Mercer	4 AWG AL	60	0.226	0.35	64	2	75	120		
QØM31ØA	Clemson	2 AWG AL	60	0.284	0.41	93	2	100	155		
QØO31ØA	Kenyon	1 AWG AL	80	0.313	0.48	121	2	115	175		
▲ QØQ31ØA	Harvard	1/0 AWG AL	80	0.352	0.52	147	3	135	200		
QØR31ØA	Yale	2/0 AWG AL	80	0.395	0.56	178	3	155	225		
QØS31ØA	Tufts	3/0 AWG AL	80	0.443	0.61	216	3	180	260		
▲ QØT31ØA	Beloit	4/0 AWG AL	80	0.498	0.67	264	3	210	295		
QØU31RA	Hofstra	250 MCM AL	80	0.561	0.73	305	3	230	320		
QØU31ØA	Hofstra	250 MCM AL	95	0.561	0.76	320	4	230	320		
▲ QØV31RA	Rutgers	350 MCM AL	80	0.664	0.83	412	4	285	385		
QØV31ØA	Rutgers	350 MCM AL	95	0.664	0.87	429	4	285	385		
▲ QØW31RA	Emory	500 MCM AL	80	0.794	0.96	570	4	350	465		
QØW31ØA	Emory	500 MCM AL	95	0.794	1.00	589	4	350	465		
QØX31ØA	Sewanee	750 MCM AL	110	0.974	1.21	870	7	455	580		
QØY31ØA	Fordham	1000 MCM AL	110	1.124	1.36	1131	7	540	670		

†Ampacities are based on the following:

Information Subject to Change without Notice.

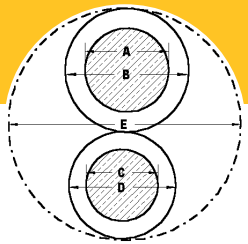
**PRODUCT NOTES:**

▲ 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<sup>®</sup>.

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.





# SUPERTUF<sup>®</sup> RUGGEDIZED

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)	90°C In Duct	90°C Direct Buried								
<b>600 Volt Aluminum Duplexed - 1/C Phase and 1/C Neutral</b>																	
▲ QØIDIØA	Bard	8 AWG AL	60	8 AWG AL	60	0.143	0.27	0.143	0.27	0.54	66	3	50	85			
▲ QØJDJØA	Claffin	6 AWG AL	60	6 AWG AL	60	0.180	0.31	0.180	0.31	0.62	91	3	65	110			
▲ QØKDKØA	Delgado	4 AWG AL	60	4 AWG AL	60	0.226	0.35	0.226	0.35	0.71	129	3	85	140			
QØMDMØA	Everett	2 AWG AL	60	2 AWG AL	60	0.284	0.41	0.284	0.41	0.82	187	4	115	180			
QØRDRØA	Findlay	2/0 AWG AL	80	2/0 AWG AL	80	0.395	0.56	0.395	0.56	1.13	358	6	175	265			
QØTDTØA	Hanover	4/0 AWG AL	80	4/0 AWG AL	80	0.498	0.67	0.498	0.67	1.33	532	7	235	345			
QØVDVRA	Glenville	350 MCM AL	80	350 MCM AL	80	0.664	0.83	0.664	0.83	1.66	830	9	325	455			
QØVDVØA	Glenville	350 MCM AL	95	350 MCM AL	95	0.664	0.87	0.664	0.87	1.73	863	9	325	455			

Information Subject to Change without Notice.

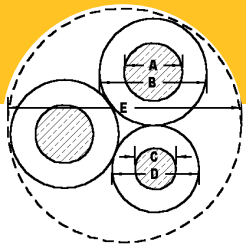
**PRODUCT NOTES:**

▲ 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<sup>®</sup>

†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, and 36 inch depth of burial.



# SUPERTUF<sup>®</sup> RUGGEDIZED

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	
<b>600 Volt Aluminum Triplexed - 2/C Phase and 1/C Neutral</b>															
QØIEIØA	Dowling	8 AWG AL	60	8 AWG AL	60	0.143	0.27	0.143	0.27	0.58	98	3	50	85	
▲ QØJEJØA	Erskine	6 AWG AL	60	6 AWG AL	60	0.180	0.31	0.180	0.31	0.66	135	3	65	110	
▲ QØKEKØA	Vassar	4 AWG AL	60	4 AWG AL	60	0.226	0.35	0.226	0.35	0.76	193	4	85	140	
▲ QØMEKØA	Stephens	2 AWG AL	60	4 AWG AL	60	0.284	0.41	0.226	0.35	0.86	250	4	115	180	
QØMEMØA	Ramapo	2 AWG AL	60	2 AWG AL	60	0.284	0.41	0.284	0.41	0.89	280	4	115	180	
QØEOEØA	Grossmont	1 AWG AL	80	1 AWG AL	80	0.313	0.48	0.313	0.48	1.03	367	6	130	205	
▲ QØQEMØA	Brenau	1/0 AWG AL	80	2 AWG AL	60	0.352	0.52	0.284	0.41	1.06	388	6	155	235	
▲ QØQEQØA	Bergen	1/0 AWG AL	80	1/0 AWG AL	80	0.352	0.52	0.352	0.52	1.12	443	6	155	235	
QØREMØA	Fisk	2/0 AWG AL	80	2 AWG AL	60	0.395	0.56	0.284	0.41	1.13	450	6	175	265	
▲ QØREOØA	Converse	2/0 AWG AL	80	1 AWG AL	80	0.395	0.56	0.313	0.48	1.17	480	6	175	265	
QØREQØA	Shaw	2/0 AWG AL	80	1/0 AWG AL	80	0.395	0.56	0.352	0.52	1.19	505	6	175	265	
QØRERØA	Hunter	2/0 AWG AL	80	2/0 AWG AL	80	0.395	0.56	0.395	0.56	1.21	536	7	175	265	
QØSEMØA	Calvert	3/0 AWG AL	80	2 AWG AL	60	0.443	0.61	0.284	0.41	1.22	527	7	205	305	
QØSEOØA	Chase	3/0 AWG AL	80	1 AWG AL	80	0.443	0.61	0.313	0.48	1.24	557	7	205	305	
▲ QØSEQØA	Hollins	3/0 AWG AL	80	1/0 AWG AL	80	0.443	0.61	0.352	0.52	1.27	582	7	205	305	
QØSESØA	Rockland	3/0 AWG AL	80	3/0 AWG AL	80	0.443	0.61	0.443	0.61	1.31	652	7	205	305	
QØTEOØA	Coburn	4/0 AWG AL	80	1 AWG AL	80	0.498	0.67	0.313	0.48	1.34	653	7	235	345	
QØTEQØA	Molloy	4/0 AWG AL	80	1/0 AWG AL	80	0.498	0.67	0.352	0.52	1.35	678	7	235	345	
▲ QØTERØA	Sweetbriar	4/0 AWG AL	80	2/0 AWG AL	80	0.498	0.67	0.395	0.56	1.37	710	7	235	345	
QØTETØA	Monmouth	4/0 AWG AL	80	4/0 AWG AL	80	0.498	0.67	0.498	0.67	1.43	797	8	235	345	
QØUERRA	Aquinas	250 MCM AL	80	2/0 AWG AL	80	0.561	0.73	0.395	0.56	1.48	792	8	260	375	
QØUERØA	Aquinas	250 MCM AL	95	2/0 AWG AL	80	0.561	0.76	0.395	0.56	1.53	821	8	260	375	
QØUESRA	Pratt	250 MCM AL	80	3/0 AWG AL	80	0.561	0.73	0.443	0.61	1.50	831	8	260	375	
QØUESØA	Pratt	250 MCM AL	95	3/0 AWG AL	80	0.561	0.76	0.443	0.61	1.57	859	8	260	375	
QØUEURA	Yeshiva	250 MCM AL	80	250 MCM AL	80	0.561	0.73	0.561	0.73	1.57	921	8	260	375	
QØUEUØA	Yeshiva	250 MCM AL	95	250 MCM AL	95	0.561	0.76	0.561	0.76	1.64	964	9	260	375	

Continued on next page

Information Subject to Change without Notice.

**PRODUCT NOTES:**

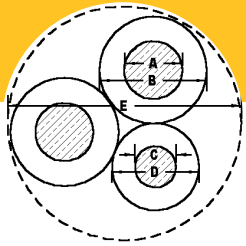
▲ Items are Prysmian authorized stock. The above dimensions are approximate and subject to normal manufacturing tolerances.

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

† 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.





# SUPERTUF<sup>®</sup> RUGGEDIZED

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)	90°C In Duct	90°C Direct Buried								
<b>600 Volt Aluminum Triplexed - 2/C Phase and 1/C Neutral</b>																	
QØVEQRA	Greenville	350 MCM AL	80	1/0 AWG AL	80	0.664	0.83	0.352	0.52	1.66	975	9	325	455			
QØVEQØA	Greenville	350 MCM AL	95	1/0 AWG AL	80	0.664	0.87	0.352	0.52	1.73	1008	9	325	455			
QØVESRA	Gloucester	350 MCM AL	80	3/0 AWG AL	80	0.664	0.83	0.443	0.61	1.67	1045	9	325	455			
QØVESØA	Gloucester	350 MCM AL	95	3/0 AWG AL	80	0.664	0.87	0.443	0.61	1.74	1078	9	325	455			
▲ QØVETRA	Wesleyan	350 MCM AL	80	4/0 AWG AL	80	0.664	0.83	0.498	0.67	1.71	1094	9	325	455			
▲ QØVETØA	Wesleyan	350 MCM AL	95	4/0 AWG AL	80	0.664	0.87	0.498	0.67	1.76	1126	9	325	455			
QØVEVRA	Newark	350 MCM AL	80	350 MCM AL	80	0.664	0.83	0.664	0.83	1.79	1243	9	325	455			
QØVEVØA	Newark	350 MCM AL	95	350 MCM AL	95	0.664	0.87	0.664	0.87	1.86	1292	10	325	455			
▲ QØWETRA	Old Dominion	500 MCM AL	80	4/0 AWG AL	80	0.794	0.96	0.498	0.67	1.92	1409	10	400	555			
QØWETØA	Old Dominion	500 MCM AL	95	4/0 AWG AL	80	0.794	1.00	0.498	0.67	1.99	1446	10	400	555			
QØWEVRA	Rider	500 MCM AL	80	350 MCM AL	80	0.794	0.96	0.664	0.83	2.00	1558	11	400	555			
QØWEVØA	Rider	500 MCM AL	95	350 MCM AL	95	0.794	1.00	0.664	0.87	2.07	1612	13	400	555			
QØWEWRA	Westchester	500 MCM AL	80	500 MCM AL	80	0.794	0.96	0.794	0.96	2.07	1716	13	400	555			
QØWEWØA	Westchester	500 MCM AL	95	500 MCM AL	95	0.794	1.00	0.794	1.00	2.14	1773	13	400	555			
QØXEVRA	Villanova	750 MCM AL	110	350 MCM AL	80	0.974	1.21	0.664	0.83	2.42	2159	15	400	555			
QØXEVØA	Villanova	750 MCM AL	110	350 MCM AL	95	0.974	1.21	0.664	0.87	2.43	2176	15	400	555			
QØXEWRA	Fairfield	750 MCM AL	110	500 MCM AL	80	0.974	1.21	0.794	0.96	2.46	2317	15	520	685			
QØXEWØA	Fairfield	750 MCM AL	110	500 MCM AL	95	0.974	1.21	0.794	1.00	2.49	2337	15	520	685			
QØXEXØA	Seton Hall	750 MCM AL	110	750 MCM AL	110	0.974	1.21	0.974	1.21	2.60	2623	16	520	685			

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<sup>®</sup>.

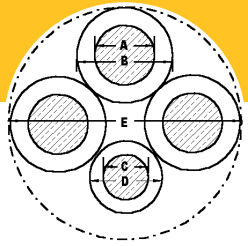
† Ampacities are based on the following:

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.



1-800-845-8507 (US)  
1-800-263-4405 (West-CAN)  
1-800-361-1418 (East-CAN)

www.prysmianusa.com  
www.prysmiancanada.com



# SUPERTUF® RUGGEDIZED

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	
<b>600 Volt Aluminum Quadruplexed - 3/C Phase and 1/C Neutral</b>															
QØKFKØA	Tulsa	4 AWG AL	60	4 AWG AL	60	0.226	0.35	0.226	0.35	0.86	256	4	75	120	
QØMFJØA	Miami	2 AWG AL	60	6 AWG AL	60	0.284	0.41	0.180	0.31	0.94	324	4	100	155	
QØMFKØA	Dyke	2 AWG AL	60	4 AWG AL	60	0.284	0.41	0.226	0.35	0.97	343	4	100	155	
QØMFMØA	Wittenberg	2 AWG AL	60	2 AWG AL	60	0.284	0.41	0.284	0.41	1.00	372	6	100	155	
▲ QØQFMØA	Notre Dame	1/0 AWG AL	80	2 AWG AL	60	0.352	0.52	0.284	0.41	1.20	535	7	135	200	
QØQFQØA	Purdue	1/0 AWG AL	80	1/0 AWG AL	80	0.352	0.52	0.352	0.52	1.26	590	7	135	200	
QØRFQØA	Syracuse	2/0 AWG AL	80	1 AWG AL	80	0.395	0.56	0.313	0.48	1.33	658	7	155	225	
QØRFRØA	Lafayette	2/0 AWG AL	80	2/0 AWG AL	80	0.395	0.56	0.395	0.56	1.37	714	7	155	225	
QØSFQØA	Swarthmore	3/0 AWG AL	80	1/0 AWG AL	80	0.443	0.61	0.352	0.52	1.44	799	8	180	260	
QØSFSØA	Davidson	3/0 AWG AL	80	3/0 AWG AL	80	0.443	0.61	0.443	0.61	1.48	869	8	180	260	
QØTFMØA	McPherson	4/0 AWG AL	80	2 AWG AL	60	0.498	0.67	0.284	0.41	1.48	888	8	210	295	
QØTFQØA	Doane	4/0 AWG AL	80	1/0 AWG AL	80	0.498	0.67	0.352	0.52	1.54	943	8	210	295	
▲ QØTFRØA	Wake Forest	4/0 AWG AL	80	2/0 AWG AL	80	0.498	0.67	0.395	0.56	1.55	974	8	210	295	
QØTFTØA	Earlham	4/0 AWG AL	80	4/0 AWG AL	80	0.498	0.67	0.498	0.67	1.62	1061	9	210	295	
QØUFSRA	Rust	250 MCM AL	80	3/0 AWG AL	80	0.561	0.73	0.443	0.61	1.70	1137	9	230	320	
QØUFSØA	Rust	250 MCM AL	95	3/0 AWG AL	80	0.561	0.76	0.443	0.61	1.78	1180	9	230	320	
QØUFURA	Palomar	250 MCM AL	80	250 MCM AL	80	0.561	0.73	0.561	0.73	1.77	1227	9	230	320	
QØUFUØA	Palomar	250 MCM AL	95	250 MCM AL	95	0.561	0.76	0.561	0.76	1.85	1284	10	230	320	
▲ QØVFTRA	Slippery Rock	350 MCM AL	80	4/0 AWG AL	80	0.664	0.83	0.498	0.67	1.94	1507	10	285	385	
▲ QØVFTØA	Slippery Rock	350 MCM AL	95	4/0 AWG AL	80	0.664	0.87	0.498	0.67	2.00	1556	11	285	385	
QØVJVRA	Niagara	350 MCM AL	80	350 MCM AL	80	0.664	0.83	0.664	0.83	2.02	1656	13	285	385	
QØVJVØA	Niagara	350 MCM AL	95	350 MCM AL	95	0.664	0.87	0.664	0.87	2.10	1721	13	285	385	
QØWVRA	Wofford	500 MCM AL	80	350 MCM AL	80	0.794	0.96	0.664	0.83	2.27	2129	14	350	465	
QØWVØA	Wofford	500 MCM AL	95	350 MCM AL	95	0.794	1.00	0.664	0.87	2.35	2202	15	350	465	
QØXFWRA	Marshall	500 MCM AL	80	500 MCM AL	80	0.794	0.96	0.794	0.96	2.34	2287	15	350	465	
QØXFWØA	Marshall	500 MCM AL	95	500 MCM AL	95	0.794	1.00	0.794	1.00	2.42	2363	15	350	465	
QØXFVRA	Westminster	750 MCM AL	110	350 MCM AL	80	0.974	1.21	0.664	0.83	2.72	3030	17	455	580	
QØXFVØA	Westminster	750 MCM AL	110	350 MCM AL	95	0.974	1.21	0.664	0.87	2.76	3047	17	455	580	
QØXFWRA	Windham	750 MCM AL	110	500 MCM AL	80	0.974	1.21	0.794	0.96	2.80	3189	17	455	580	
QØXFWØA	Windham	750 MCM AL	110	500 MCM AL	95	0.974	1.21	0.794	1.00	2.82	3208	17	455	580	
QØXFXØA	Tabor	750 MCM AL	110	750 MCM AL	110	0.974	1.21	0.974	1.21	2.94	3494	18	455	580	

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 Strandsseal®.

† 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.



1-800-845-8507 (US)  
 1-800-263-4405 (West-CAN)  
 1-800-361-1418 (East-CAN)  
 www.prysmianusa.com  
 www.prysmiancanada.com