

Description

Secondary UD Power Cable, with aluminum conductors and a cross-linked polyethylene insulation that is formulated for a balance of flexibility and mechanical toughness. SUPERSEAL[®] uses a patented self-healing technology that repairs damage to the insulation thereby reducing secondary cable failures.

Specifications

ICEA ICEA S-81-570 (as applicable)

RUS RUS Accepted

For 90°C Wet or Dry Operation.



Ratings

Design Parameters

Conductor

- Class B Compressed Unilay or Compressed Round aluminum alloy 1350 per ASTM.

Phase Insulation

- Extruded composite three-part cable insulation consisting of an inner layer of low density polyethylene, encapsulated channels of self-healing EPDM-based Prysmian SR compound and an outer layer of black high-density polyethylene.

Neutral Insulation

- Extruded composite three-part cable insulation consisting of an inner layer of low density polyethylene, encapsulated channels of self-healing EPDM-based Prysmian SR compound and an 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

- Series 8000 Aluminum Conductor(s)
- Paralleled
- Solid Black Neutral

Installations

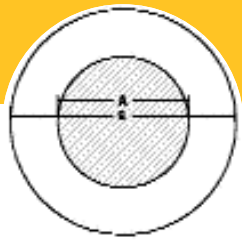
 Direct Buried

 Underground Duct

 Wet Locations

 Dry Locations

 Utility Secondary



SUPERSEAL[®] SELF-REPAIRING

600 Volt

Product Number	Code Name	Phase Conductor	Phase Insulation Thickness (mils)		Phase Conductor Diameter (in.)	Outside Diameter (in.)	Cable Weight (lbs/Mft)	Minimum Bending Radius (in.)	† Ampacity (Amps)	
			(A)	(B)					90°C In Duct	90°C Direct Buried
600 Volt Aluminum Single Conductor										
QQM320A	Clemson	2 AWG AL	60	0.284	0.41	94	2	100	155	
QQQ320A	Harvard	1/0 AWG AL	80	0.352	0.52	150	3	135	200	
QOR320A	Yale	2/0 AWG AL	80	0.395	0.56	181	3	155	225	
QOT320A	Beloit	4/0 AWG AL	80	0.498	0.67	270	3	210	295	
QOV32RA	Rutgers	350 MCM AL	80	0.664	0.83	421	4	285	385	

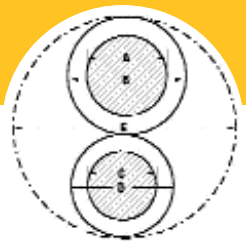
Information Subject to Change without Notice.

PRODUCT NOTES:

†Ampacities are based on the following:

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

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



SUPERSEAL[®] SELF-REPAIRING

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)
			(A)	(B)	(C)	(D)	(E)	90°C In Duct	90°C Direct Buried						
600 Volt Aluminum Duplexed - 1/C Phase and 1/C Neutral															
QOMGMOA	Everett	2 AWG AL	60	2 AWG AL	60	0.284	0.41	0.284	0.41	0.82	191	4	115	180	
QORGR0A	Findlay	2/0 AWG AL	80	2/0 AWG AL	80	0.395	0.56	0.395	0.56	1.13	366	6	175	265	
QOTGTOA	Hanover	4/0 AWG AL	80	4/0 AWG AL	80	0.498	0.67	0.498	0.67	1.33	543	7	235	345	
QOVGVRA	Glenville	350 MCM AL	80	350 MCM AL	80	0.664	0.83	0.664	0.83	1.66	846	9	325	455	

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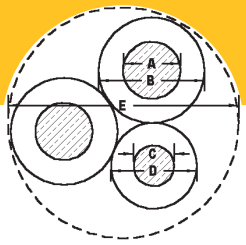
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SUPERSEAL[®] SELF-REPAIRING

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															
QOMHMOA	Ramapo	2 AWG AL	60	2 AWG AL	60	0.284	0.41	0.284	0.41	0.89	285	4	115	180	
QQQHMOA	Brenau	1/0 AWG AL	80	2 AWG AL	60	0.352	0.52	0.284	0.41	1.06	396	6	155	235	
QQQHQA	Bergen	1/0 AWG AL	80	1/0 AWG AL	80	0.352	0.52	0.352	0.52	1.12	452	6	155	235	
QQRHMOA	Fisk	2/0 AWG AL	80	2 AWG AL	60	0.395	0.56	0.284	0.41	1.13	459	6	175	265	
QQRHQA	Shaw	2/0 AWG AL	80	1/0 AWG AL	80	0.395	0.56	0.352	0.52	1.19	515	6	175	265	
QQRHROA	Hunter	2/0 AWG AL	80	2/0 AWG AL	80	0.395	0.56	0.395	0.56	1.21	547	7	175	265	
QOTHQA	Molloy	4/0 AWG AL	80	1/0 AWG AL	80	0.498	0.67	0.352	0.52	1.35	692	7	235	345	
QOTHROA	Sweetbriar	4/0 AWG AL	80	2/0 AWG AL	80	0.498	0.67	0.395	0.56	1.37	724	7	235	345	
QOTHTOA	Monmouth	4/0 AWG AL	80	4/0 AWG AL	80	0.498	0.67	0.498	0.67	1.43	813	8	235	345	
QOVHQRA	Greenville	350 MCM AL	80	1/0 AWG AL	80	0.664	0.83	0.352	0.52	1.66	995	9	325	455	
QOVHTRA	Wesleyan	350 MCM AL	80	4/0 AWG AL	80	0.664	0.83	0.498	0.67	1.71	1116	9	325	455	
QOVHVRA	Newark	350 MCM AL	80	350 MCM AL	80	0.664	0.83	0.664	0.83	1.79	1268	9	325	455	

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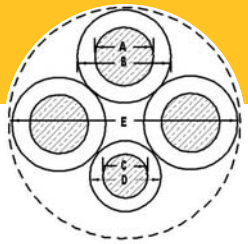
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600 Volt

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)
			(A)	(B)	(C)	(D)	(E)	90°C In Duct	90°C Direct Buried						
600 Volt Aluminum Quadruplexed - 3/C Phase and 1/C Neutral															
QOMIM0A	Wittenberg	2 AWG AL	60	2 AWG AL	60	0.284	0.41	0.284	0.41	1.00	380	6	100	155	
QQQIM0A	Notre Dame	1/0 AWG AL	80	2 AWG AL	60	0.352	0.52	0.284	0.41	1.20	546	7	135	200	
QQQIQ0A	Purdue	1/0 AWG AL	80	1/0 AWG AL	80	0.352	0.52	0.352	0.52	1.26	601	7	135	200	
QQRIR0A	Lafayette	2/0 AWG AL	80	2/0 AWG AL	80	0.395	0.56	0.395	0.56	1.37	729	7	155	225	
QOTIM0A	McPherson	4/0 AWG AL	80	2 AWG AL	60	0.498	0.67	0.284	0.41	1.48	906	8	210	295	
QOTIQ0A	Doane	4/0 AWG AL	80	1/0 AWG AL	80	0.498	0.67	0.352	0.52	1.54	962	8	210	295	
QOTIROA	Wake Forest	4/0 AWG AL	80	2/0 AWG AL	80	0.498	0.67	0.395	0.56	1.55	994	8	210	295	
QOTIT0A	Earlham	4/0 AWG AL	80	4/0 AWG AL	80	0.498	0.67	0.498	0.67	1.62	1083	9	210	295	
QOVITRA	Slippery Rock	350 MCM AL	80	4/0 AWG AL	80	0.664	0.83	0.498	0.67	1.94	1537	10	285	385	
QOVIVRA	Niagara	350 MCM AL	80	350 MCM AL	80	0.664	0.83	0.664	0.83	2.02	1689	13	285	385	

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