

Description

Single copper or aluminum Series 8000 conductor with 600 Volt, XLPE insulation.

Specifications

Ratings

UL	UL 44	Type RHH/RHW-2
UL	UL 854	Type USE-2
ICEA	ICEA S-95-658	
FED	Federal Specification JC-30B	

For 90°C Wet or Dry Operation.



Design Parameters

Conductor

- Single conductor, Class B concentric stranded annealed copper or aluminum Series 8000 per ASTM.

Insulation

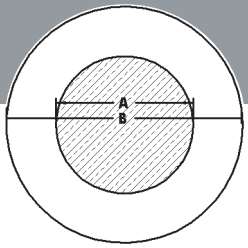
- High quality, tough, heat resistant and moisture resistant thermosetting cross-linked polyethylene insulation.

Options

- VW-1
- Sunlight Resistant
- Compact Conductor
- CT Rated (1/0 AWG and Larger)

Installations

- Isolated in Air
- Conduit in Air
- Underground Duct
- Industrial
- Direct Buried
- Wet Locations
- Dry Locations
- Underground Service Entrance



TYPE RHH/RHW-2/USE-2

600 Volt

Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (in.)		Overall Diameter (in.)	Cable Weight (lbs./kft)	† Ampacity (Amps)	
			(A)	(B)			Raceway or Directly Buried	In Free Air
600 Volt Copper								
QØØ82ØA	8 AWG CU	60	0.143	0.27	75	55	80	
QØ182ØA	6 AWG CU	60	0.180	0.31	110	75	105	
QØ282ØA	4 AWG CU	60	0.226	0.36	160	95	140	
QØ482ØA	2 AWG CU	60	0.284	0.42	250	130	190	
QØ682ØA	1 AWG CU	80	0.324	0.50	310	150	220	
QØ882ØA	1/0 AWG CU	80	0.364	0.54	390	170	260	
QØ982ØA	2/0 AWG CU	80	0.408	0.58	480	195	300	
QØA82ØA	3/0 AWG CU	80	0.458	0.63	590	225	350	
QØB82ØA	4/0 AWG CU	80	0.515	0.69	730	260	405	
QØC82ØA	250 MCM CU	95	0.561	0.77	880	290	455	
QYZØ29A	300 MCM CU	95	0.614	0.80	1007	320	505	
QØD82ØA	350 MCM CU	95	0.664	0.87	1200	350	570	
QØE82ØA	500 MCM CU	95	0.794	1.00	1680	430	700	
QØF82ØA	750 MCM CU	110	0.974	1.21	2520	535	885	
QØG82ØA	1000 MCM CU	110	1.124	1.35	3330	615	1055	

Information Subject to Change without Notice.

PRODUCT NOTES:

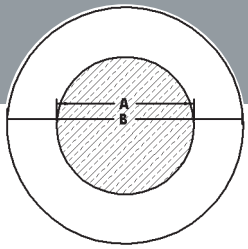
▲ Items are Prysmian authorized stock.
The above dimensions are approximate and subject to normal manufacturing tolerances.

†Ampacities are based on the following:

In Raceway or Directly Buried (NEC Table 310-16): Not more than three current-carrying conductors, 90°C conductor temperature, and 30°C ambient temperature.

In Free Air (NEC Table 310-17): Single-insulated conductor, 90°C conductor temperature, and 30°C ambient temperature.





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600 Volt

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			(A)	(B)			Raceway or Directly Buried	In Free air
600 Volt Series 8000 Aluminum								
▲ QØJ828A	6 AWG AL	60	0.180	0.30	47	60	80	
▲ QØK828A	4 AWG AL	60	0.226	0.34	65	75	110	
▲ QØM828A	2 AWG AL	60	0.284	0.40	93	100	150	
▲ QØO828A	1 AWG AL	80	0.313	0.47	126	115	175	
▲ QØQ828A	1/0 AWG AL	80	0.352	0.50	150	135	205	
▲ QØR828A	2/0 AWG AL	80	0.395	0.55	180	150	235	
▲ QØS828A	3/0 AWG AL	80	0.443	0.59	221	175	275	
▲ QØT828A	4/0 AWG AL	80	0.498	0.65	265	205	315	
▲ QØU828A	250 MCM AL	95	0.561	0.72	325	230	355	
▲ QYZØ25A	300 MCM AL	95	0.614	0.77	379	255	395	
▲ QØV828A	350 MCM AL	95	0.664	0.82	428	280	445	
▲ QYZØ26A	400 MCM AL	95	0.710	0.86	486	305	480	
▲ QØW828A	500 MCM AL	95	0.794	0.94	587	350	545	
▲ QYZØ27A	600 MCM AL	110	0.870	1.04	720	385	615	
QYZØ28A	700 MCM AL	110	0.940	1.10	825	420	675	
▲ QØX828A	750 MCM AL	110	0.974	1.15	867	435	700	
QØY828A	1000 MCM AL	110	1.124	1.30	1130	500	845	

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