

Description

Three conductor cable with stranded copper or aluminum conductors, triple extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength VOLTALENE™ TRXLPE insulation, thermosetting semiconducting insulation shield, helically applied bare copper tape shield, cabled with fillers and grounding conductors, overall binder tape, aluminum interlocked armor (AIA) or galvanized steel interlocked armor (GSIA), and overall black PVC jacket.

Specifications

AEIC AEIC CS8*

ICEA ICEA S-93-639

ICEA ICEA S-97-682

UL UL 1072

Ratings

Type MV-90-MC
For CT USE
Direct Buried
Sunlight Resistant



Specifications

IEEE IEEE 383 Flame Test

For 90°C continuous, 130°C emergency, 250°C short-circuit operation.
*Due to a conflict between ICEA S-97-682 and AEIC CS8, all diameters will be in accordance with ICEA S-97-682 only.

Design Parameters

Conductor

- Class B Compressed concentric strand aluminum alloy 1350 or soft drawn annealed copper per ASTM.

Conductor Shield

- Extruded thermosetting semiconducting shield which is free stripping from the conductor and bonded to the insulation.

Insulation

- Natural high dielectric strength VOLTALENE™ TRXLPE insulation, exhibiting an optimum balance of mechanical and electrical properties, insuring resistance to treeing.

Insulation Shield

- Extruded thermosetting semiconducting shield with controlled adhesion to the insulation providing the required balance between electrical integrity and ease of stripping.

Metallic Shield

- Helically applied non-magnetic copper tape(s) over the insulation shield with a minimum overlap of 25%. A Mylar ribbon is longitudinally applied under the copper tape shield for phase identification - 1C w/ Red, 1C w/ Blue, and 1C w/ None.

Grounding Conductors

- Bare stranded copper conductor, one in each interstice, per UL, ICEA, and ASTM. UL listed cables must have grounding conductors.

Ratings (continued)

Assembly

- Phase identified shielded conductors cabled with fillers and grounding conductors (as specified), forming a firm and cylindrical cable core. A binder tape is applied to maintain core symmetry and mechanical stability.

Armor

- Aluminum interlocked armor (AIA) or galvanized steel interlocked armor (GSIA) applied over the cable core.

Jacket

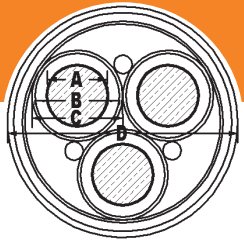
- Black sunlight resistant polyvinyl chloride (PVC) jacket tightly applied over the binder tape.

Options

- Strandseal®
- Compact stranded conductors
- Super smooth conductor shield
- One grounding conductor
- Colored Jackets
- CPE, LLDPE, or LSOH Jacket
- Oil Resistant Jacket

Installations

- Conduit in Air
- Underground Duct
- In Cable Tray
- Dry Locations
- Industrial
- Direct Buried
- Isolated in Air
- Wet Locations
- With Messenger



3/C TRXLPE MC MV-90 Power

5kV

100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/100')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
5kV 100% Copper Three Conductor AIA																				
Q42440A	4 AWG CU	90	3	10 AWG	0.226	0.45	0.51	1.48	1236	11	100	105								
Q44440A	2 AWG CU	90	3	10 AWG	0.284	0.51	0.57	1.61	1563	12	135	140								
Q46440A	1 AWG CU	90	3	8 AWG	0.324	0.55	0.61	1.72	1873	13	155	160								
Q48440A	1/0 AWG CU	90	3	8 AWG	0.364	0.59	0.65	1.80	2149	13	175	185								
Q49440A	2/0 AWG CU	90	3	8 AWG	0.408	0.64	0.69	1.92	2536	14	200	215								
Q4A440A	3/0 AWG CU	90	3	7 AWG	0.458	0.69	0.74	2.03	2987	15	230	250								
Q4B440A	4/0 AWG CU	90	3	7 AWG	0.515	0.74	0.80	2.15	3502	16	265	285								
Q4C440A	250 MCM CU	90	3	7 AWG	0.561	0.80	0.85	2.26	3956	16	290	320								
Q4D440A	350 MCM CU	90	3	6 AWG	0.664	0.90	0.95	2.51	5201	18	355	395								
Q4E440A	500 MCM CU	90	3	5 AWG	0.794	1.03	1.10	2.83	6986	20	430	485								
Q4F440A	750 MCM CU	90	3	4 AWG	0.974	1.22	1.29	3.25	9880	23	530	615								
Q4G440A	1000 MCM CU	90	3	4 AWG	1.124	1.37	1.44	3.58	12562	26	600	705								
5kV 133% Copper Three Conductor AIA																				
Q52440A	4 AWG CU	115	3	10 AWG	0.226	0.50	0.56	1.59	1342	12	100	105								
Q54440A	2 AWG CU	115	3	10 AWG	0.284	0.56	0.62	1.74	1708	13	135	140								
Q56440A	1 AWG CU	115	3	8 AWG	0.324	0.60	0.66	1.82	1993	13	155	160								
Q58440A	1/0 AWG CU	115	3	8 AWG	0.364	0.64	0.70	1.93	2326	14	175	185								
Q59440A	2/0 AWG CU	115	3	8 AWG	0.408	0.69	0.74	2.03	2668	15	200	215								
Q5A440A	3/0 AWG CU	115	3	7 AWG	0.458	0.74	0.79	2.13	3126	15	230	250								
Q5B440A	4/0 AWG CU	115	3	7 AWG	0.515	0.79	0.85	2.26	3647	16	265	285								
Q5C440A	250 MCM CU	115	3	7 AWG	0.561	0.85	0.90	2.37	4107	17	290	320								
Q5D440A	350 MCM CU	115	3	6 AWG	0.664	0.95	1.00	2.62	5368	19	355	395								
Q5E440A	500 MCM CU	115	3	5 AWG	0.794	1.08	1.15	2.94	7170	21	430	485								
Q5F440A	750 MCM CU	115	3	4 AWG	0.974	1.27	1.34	3.36	10088	24	530	615								
Q5G440A	1000 MCM CU	115	3	4 AWG	1.124	1.42	1.49	3.69	12787	26	600	705								

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

Three Phase Operation

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

In Duct (NEC Table 310-79): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

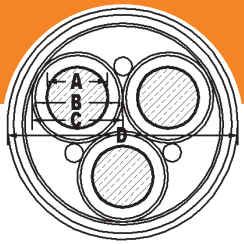
Isolated in Air (NEC Table 310-71): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in Air" values noted above.



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3/0 TRXLPE MC MV-90 Power

5kV
100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Overall Shield Diameter (in.)		Cable Weight (lbs/1000')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)					90°C In Duct	90°C In Air					
5kV 100% Aluminum Three Conductor AIA																		
Q4K44ØA	4 AWG AL	90	3	10 AWG	0.226	0.45	0.51	1.48	973	11	80	81						
Q4M44ØA	2 AWG AL	90	3	10 AWG	0.284	0.51	0.57	1.61	1144	12	105	110						
Q4O44ØA	1 AWG AL	90	3	10 AWG	0.324	0.55	0.61	1.72	1284	13	120	125						
Q4Q44ØA	1/0 AWG AL	90	3	10 AWG	0.364	0.59	0.65	1.80	1419	13	140	145						
Q4R44ØA	2/0 AWG AL	90	3	8 AWG	0.408	0.64	0.69	1.92	1688	14	160	170						
Q4S44ØA	3/0 AWG AL	90	3	8 AWG	0.458	0.69	0.74	2.03	1880	15	180	195						
Q4T44ØA	4/0 AWG AL	90	3	8 AWG	0.515	0.74	0.80	2.15	2116	16	205	225						
Q4U44ØA	250 MCM AL	90	3	8 AWG	0.561	0.80	0.85	2.26	2326	16	230	250						
Q4V44ØA	350 MCM AL	90	3	7 AWG	0.664	0.90	0.95	2.51	2927	18	280	310						
Q4W44ØA	500 MCM AL	90	3	6 AWG	0.794	1.03	1.10	2.83	3742	20	340	385						
Q4X44ØA	750 MCM AL	90	3	5 AWG	0.974	1.22	1.29	3.25	5006	23	425	495						
Q4Y44ØA	1000 MCM AL	90	3	4 AWG	1.124	1.37	1.44	3.58	6161	26	495	585						
5kV 133% Aluminum Three Conductor AIA																		
Q5K44ØA	4 AWG AL	115	3	10 AWG	0.226	0.50	0.56	1.59	1078	12	80	81						
Q5M44ØA	2 AWG AL	115	3	10 AWG	0.284	0.56	0.62	1.74	1289	13	105	110						
Q5O44ØA	1 AWG AL	115	3	10 AWG	0.324	0.60	0.66	1.82	1403	13	120	125						
Q5Q44ØA	1/0 AWG AL	115	3	10 AWG	0.364	0.64	0.70	1.93	1596	14	140	145						
Q5R44ØA	2/0 AWG AL	115	3	8 AWG	0.408	0.69	0.74	2.03	1820	15	160	170						
Q5S44ØA	3/0 AWG AL	115	3	8 AWG	0.458	0.74	0.79	2.13	2018	15	180	195						
Q5T44ØA	4/0 AWG AL	115	3	8 AWG	0.515	0.79	0.85	2.26	2261	16	205	225						
Q5U44ØA	250 MCM AL	115	3	8 AWG	0.561	0.85	0.90	2.37	2477	17	230	250						
Q5V44ØA	350 MCM AL	115	3	7 AWG	0.664	0.95	1.00	2.62	3093	19	280	310						
Q5W44ØA	500 MCM AL	115	3	6 AWG	0.794	1.08	1.15	2.94	3926	21	340	385						
Q5X44ØA	750 MCM AL	115	3	5 AWG	0.974	1.27	1.34	3.36	5214	24	425	495						
Q5Y44ØA	1000 MCM AL	115	3	4 AWG	1.124	1.42	1.49	3.69	6386	26	495	585						

†Ampacities are based on the following:

PRODUCT NOTES:

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

Three Phase Operation

In Duct (NEC Table 310-80): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

Isolated in Air (NEC Table 310-72): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

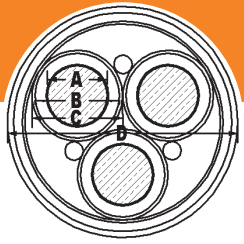
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in Air" values noted above.

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3/C TRXLPE MC MV-90 Power

8kV
100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/100')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
8kV 100% Copper Three Conductor AIA																				
Q5244ØA	4 AWG CU	115	3	10 AWG	0.226	0.50	0.56	1.59	1342	12			115	120						
Q5444ØA	2 AWG CU	115	3	10 AWG	0.284	0.56	0.62	1.74	1708	13			150	165						
Q5644ØA	1 AWG CU	115	3	8 AWG	0.324	0.60	0.66	1.82	1993	13			170	185						
Q5844ØA	1/0 AWG CU	115	3	8 AWG	0.364	0.64	0.70	1.93	2326	14			195	215						
Q5944ØA	2/0 AWG CU	115	3	8 AWG	0.408	0.69	0.74	2.03	2668	15			220	245						
Q5A44ØA	3/0 AWG CU	115	3	7 AWG	0.458	0.74	0.79	2.13	3126	15			250	285						
Q5B44ØA	4/0 AWG CU	115	3	7 AWG	0.515	0.79	0.85	2.26	3647	16			285	325						
Q5C44ØA	250 MCM CU	115	3	7 AWG	0.561	0.85	0.90	2.37	4107	17			310	360						
Q5D44ØA	350 MCM CU	115	3	6 AWG	0.664	0.95	1.00	2.62	5368	19			375	435						
Q5E44ØA	500 MCM CU	115	3	5 AWG	0.794	1.08	1.15	2.94	7170	21			450	535						
Q5F44ØA	750 MCM CU	115	3	4 AWG	0.974	1.27	1.34	3.36	10088	24			545	670						
Q5G44ØA	1000 MCM CU	115	3	4 AWG	1.124	1.42	1.49	3.69	12787	26			615	770						
8kV 133% Copper Three Conductor AIA																				
Q6444ØA	2 AWG CU	140	3	10 AWG	0.284	0.61	0.67	1.87	1831	14			150	165						
Q6644ØA	1 AWG CU	140	3	8 AWG	0.324	0.65	0.71	1.95	2171	14			170	185						
Q6844ØA	1/0 AWG CU	140	3	8 AWG	0.364	0.69	0.75	2.04	2459	15			195	215						
Q6944ØA	2/0 AWG CU	140	3	8 AWG	0.408	0.74	0.79	2.13	2806	15			220	245						
Q6A44ØA	3/0 AWG CU	140	3	7 AWG	0.458	0.79	0.84	2.24	3270	16			250	285						
Q6B44ØA	4/0 AWG CU	140	3	7 AWG	0.515	0.84	0.90	2.36	3798	17			285	325						
Q6C44ØA	250 MCM CU	140	3	7 AWG	0.561	0.90	0.95	2.51	4334	18			310	360						
Q6D44ØA	350 MCM CU	140	3	6 AWG	0.664	1.00	1.05	2.73	5540	20			375	435						
Q6E44ØA	500 MCM CU	140	3	5 AWG	0.794	1.13	1.20	3.04	7360	22			450	535						
Q6F44ØA	750 MCM CU	140	3	4 AWG	0.974	1.32	1.39	3.47	10302	25			545	670						
Q6G44ØA	1000 MCM CU	140	3	4 AWG	1.124	1.47	1.54	3.79	13019	27			615	770						

†Ampacities are based on the following:

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PRODUCT NOTES:

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

Three Phase Operation

In Duct (NEC Table 310-79): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

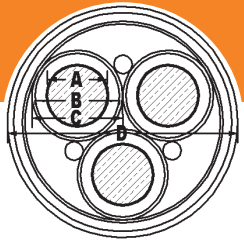
Isolated in Air (NEC Table 310-71): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 Power

8kV

100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/100ft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
8kV 100% Aluminum Three Conductor AIA																				
Q5K44ØA	4 AWG AL	115	3	10 AWG	0.226	0.50	0.56	1.59	1078	12			89	95						
Q5M44ØA	2 AWG AL	115	3	10 AWG	0.284	0.56	0.62	1.74	1289	13			115	125						
Q5O44ØA	1 AWG AL	115	3	10 AWG	0.324	0.60	0.66	1.82	1403	13			135	145						
Q5Q44ØA	1/0 AWG AL	115	3	10 AWG	0.364	0.64	0.70	1.93	1596	14			150	170						
Q5R44ØA	2/0 AWG AL	115	3	8 AWG	0.408	0.69	0.74	2.03	1820	15			170	190						
Q5S44ØA	3/0 AWG AL	115	3	8 AWG	0.458	0.74	0.79	2.13	2018	15			195	220						
Q5T44ØA	4/0 AWG AL	115	3	8 AWG	0.515	0.79	0.85	2.26	2261	16			220	255						
Q5U44ØA	250 MCM AL	115	3	8 AWG	0.561	0.85	0.90	2.37	2477	17			245	280						
Q5V44ØA	350 MCM AL	115	3	7 AWG	0.664	0.95	1.00	2.62	3093	19			295	345						
Q5W44ØA	500 MCM AL	115	3	6 AWG	0.794	1.08	1.15	2.94	3926	21			355	425						
Q5X44ØA	750 MCM AL	115	3	5 AWG	0.974	1.27	1.34	3.36	5214	24			440	540						
Q5Y44ØA	1000 MCM AL	115	3	4 AWG	1.124	1.42	1.49	3.69	6386	26			510	635						
8kV 133% Aluminum Three Conductor AIA																				
Q6M44ØA	2 AWG AL	140	3	10 AWG	0.284	0.61	0.67	1.87	1412	14			115	125						
Q6O44ØA	1 AWG AL	140	3	10 AWG	0.324	0.65	0.71	1.95	1582	14			135	145						
Q6Q44ØA	1/0 AWG AL	140	3	10 AWG	0.364	0.69	0.75	2.04	1729	15			150	170						
Q6R44ØA	2/0 AWG AL	140	3	8 AWG	0.408	0.74	0.79	2.13	1958	15			170	190						
Q6S44ØA	3/0 AWG AL	140	3	8 AWG	0.458	0.79	0.84	2.24	2162	16			195	220						
Q6T44ØA	4/0 AWG AL	140	3	8 AWG	0.515	0.84	0.90	2.36	2411	17			220	255						
Q6U44ØA	250 MCM AL	140	3	8 AWG	0.561	0.90	0.95	2.51	2704	18			245	280						
Q6V44ØA	350 MCM AL	140	3	7 AWG	0.664	1.00	1.05	2.73	3265	20			295	345						
Q6W44ØA	500 MCM AL	140	3	6 AWG	0.794	1.13	1.20	3.04	4116	22			355	425						
Q6X44ØA	750 MCM AL	140	3	5 AWG	0.974	1.32	1.39	3.47	5428	25			440	540						
Q6Y44ØA	1000 MCM AL	140	3	4 AWG	1.124	1.47	1.54	3.79	6618	27			510	635						

†Ampacities are based on the following:

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Three Phase Operation

In Duct (NEC Table 310-80): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

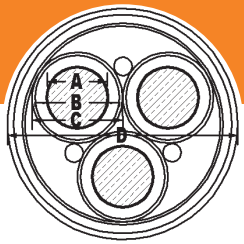
Isolated in Air (NEC Table 310-72): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in Air" values noted above.



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15kV
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Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/100')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
15kV 100% Copper Three Conductor AIA																				
Q7444ØA	2 AWG CU	175	3	10 AWG	0.284	0.68	0.74	2.02	2063	15	150	165								
Q7644ØA	1 AWG CU	175	3	8 AWG	0.324	0.72	0.78	2.10	2361	15	170	185								
Q7844ØA	1/0 AWG CU	175	3	8 AWG	0.364	0.76	0.82	2.19	2655	16	195	215								
Q7944ØA	2/0 AWG CU	175	3	8 AWG	0.408	0.81	0.86	2.28	3009	16	220	245								
Q7A44ØA	3/0 AWG CU	175	3	7 AWG	0.458	0.86	0.91	2.39	3481	17	250	285								
Q7B44ØA	4/0 AWG CU	175	3	7 AWG	0.515	0.91	0.97	2.55	4090	18	285	325								
Q7C44ØA	250 MCM CU	175	3	7 AWG	0.561	0.97	1.02	2.66	4568	19	310	360								
Q7D44ØA	350 MCM CU	175	3	6 AWG	0.664	1.07	1.14	2.92	5857	21	375	435								
Q7E44ØA	500 MCM CU	175	3	5 AWG	0.794	1.20	1.27	3.20	7635	23	450	535								
Q7F44ØA	750 MCM CU	175	3	4 AWG	0.974	1.39	1.46	3.62	10611	26	545	670								
Q7G44ØA	1000 MCM CU	175	3	4 AWG	1.124	1.54	1.62	3.98	13443	28	615	770								
15kV 133% Copper Three Conductor AIA																				
Q8444ØA	2 AWG CU	220	3	10 AWG	0.284	0.77	0.83	2.21	2315	16	150	165								
Q8644ØA	1 AWG CU	220	3	8 AWG	0.324	0.81	0.87	2.30	2622	17	170	185								
Q8844ØA	1/0 AWG CU	220	3	8 AWG	0.364	0.85	0.91	2.38	2924	17	195	215								
Q8944ØA	2/0 AWG CU	220	3	8 AWG	0.408	0.90	0.95	2.51	3358	18	220	245								
Q8A44ØA	3/0 AWG CU	220	3	7 AWG	0.458	0.95	1.00	2.62	3844	19	250	285								
Q8B44ØA	4/0 AWG CU	220	3	7 AWG	0.515	1.00	1.06	2.74	4397	20	285	325								
Q8C44ØA	250 MCM CU	220	3	7 AWG	0.561	1.06	1.13	2.89	4952	21	310	360								
Q8D44ØA	350 MCM CU	220	3	6 AWG	0.664	1.16	1.23	3.11	6201	22	375	435								
Q8E44ØA	500 MCM CU	220	3	5 AWG	0.794	1.29	1.36	3.41	8070	24	450	535								
Q8F44ØA	750 MCM CU	220	3	4 AWG	0.974	1.48	1.55	3.82	11026	27	545	670								
Q8G44ØA	1000 MCM CU	220	3	4 AWG	1.124	1.63	1.71	4.18	13893	30	615	770								

†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.

Three Phase Operation

In Duct (NEC Table 310-79): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

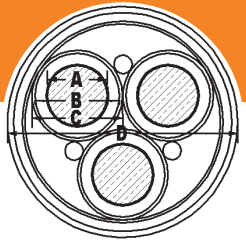
Isolated in Air (NEC Table 310-71): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 Power

15kV
100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs./kft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)					90°C In Duct	90°C In Air					
15kV 100% Aluminum Three Conductor AIA																		
Q7M440A	2 AWG AL	175	3	10 AWG	0.284	0.68	0.74	2.02	1643	15	115	125						
Q7O440A	1 AWG AL	175	3	10 AWG	0.324	0.72	0.78	2.10	1772	15	135	145						
Q7Q440A	1/0 AWG AL	175	3	10 AWG	0.364	0.76	0.82	2.19	1925	16	150	170						
Q7R440A	2/0 AWG AL	175	3	8 AWG	0.408	0.81	0.86	2.28	2162	16	170	190						
Q7S440A	3/0 AWG AL	175	3	8 AWG	0.458	0.86	0.91	2.39	2374	17	195	220						
Q7T440A	4/0 AWG AL	175	3	8 AWG	0.515	0.91	0.97	2.55	2704	18	220	255						
Q7U440A	250 MCM AL	175	3	8 AWG	0.561	0.97	1.02	2.66	2938	19	245	280						
Q7V440A	350 MCM AL	175	3	7 AWG	0.664	1.07	1.14	2.92	3583	21	295	345						
Q7W440A	500 MCM AL	175	3	6 AWG	0.794	1.20	1.27	3.20	4391	23	355	425						
Q7X440A	750 MCM AL	175	3	5 AWG	0.974	1.39	1.46	3.62	5737	26	440	540						
Q7Y440A	1000 MCM AL	175	3	4 AWG	1.124	1.54	1.62	3.98	7042	28	510	635						
15kV 133% Aluminum Three Conductor AIA																		
Q8M440A	2 AWG AL	220	3	10 AWG	0.284	0.77	0.83	2.21	1895	16	115	125						
Q8O440A	1 AWG AL	220	3	10 AWG	0.324	0.81	0.87	2.30	2032	17	135	145						
Q8Q440A	1/0 AWG AL	220	3	10 AWG	0.364	0.85	0.91	2.38	2194	17	150	170						
Q8R440A	2/0 AWG AL	220	3	8 AWG	0.408	0.90	0.95	2.51	2510	18	170	190						
Q8S440A	3/0 AWG AL	220	3	8 AWG	0.458	0.95	1.00	2.62	2736	19	195	220						
Q8T440A	4/0 AWG AL	220	3	8 AWG	0.515	1.00	1.06	2.74	3010	20	220	255						
Q8U440A	250 MCM AL	220	3	8 AWG	0.561	1.06	1.13	2.89	3322	21	245	280						
Q8V440A	350 MCM AL	220	3	7 AWG	0.664	1.16	1.23	3.11	3926	22	295	345						
Q8W440A	500 MCM AL	220	3	6 AWG	0.794	1.29	1.36	3.41	4826	24	355	425						
Q8X440A	750 MCM AL	220	3	5 AWG	0.974	1.48	1.55	3.82	6152	27	440	540						
Q8Y440A	1000 MCM AL	220	3	4 AWG	1.124	1.63	1.71	4.18	7492	30	510	635						

†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.

Three Phase Operation

In Duct (NEC Table 310-80): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

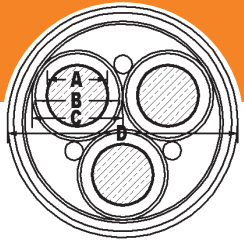
Isolated in Air (NEC Table 310-72): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 Power

25kV

100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/100')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
25kV 100% Copper Three Conductor AIA																				
Q9644ØA	1 AWG CU	260	3	8 AWG	0.324	0.89	0.95	2.50	2939	18	170	185								
Q9844ØA	1/0 AWG CU	260	3	8 AWG	0.364	0.93	0.99	2.59	3251	19	195	215								
Q9944ØA	2/0 AWG CU	260	3	8 AWG	0.408	0.98	1.03	2.68	3626	19	220	245								
Q9A44ØA	3/0 AWG CU	260	3	7 AWG	0.458	1.03	1.10	2.82	4186	20	250	285								
Q9B44ØA	4/0 AWG CU	260	3	7 AWG	0.515	1.08	1.16	2.95	4753	21	285	325								
Q9C44ØA	250 MCM CU	260	3	7 AWG	0.561	1.14	1.21	3.06	5254	22	310	360								
Q9D44ØA	350 MCM CU	260	3	6 AWG	0.664	1.24	1.31	3.30	6584	24	375	435								
Q9E44ØA	500 MCM CU	260	3	5 AWG	0.794	1.37	1.44	3.58	8420	26	450	535								
Q9F44ØA	750 MCM CU	260	3	4 AWG	0.974	1.56	1.64	4.02	11501	29	545	670								
25kV 133% Copper Three Conductor AIA																				
QB844ØA	1/0 AWG CU	345	3	8 AWG	0.364	1.11	1.18	3.00	3938	21	195	215								
QB944ØA	2/0 AWG CU	345	3	8 AWG	0.408	1.15	1.22	3.09	4333	22	220	245								
QBA44ØA	3/0 AWG CU	345	3	7 AWG	0.458	1.20	1.27	3.20	4851	23	250	285								
QBB44ØA	4/0 AWG CU	345	3	7 AWG	0.515	1.26	1.33	3.34	5503	24	285	325								
QBC44ØA	250 MCM CU	345	3	7 AWG	0.561	1.31	1.38	3.46	6028	25	310	360								
QBD44ØA	350 MCM CU	345	3	6 AWG	0.664	1.41	1.48	3.68	7343	26	375	435								
QBE44ØA	500 MCM CU	345	3	5 AWG	0.794	1.54	1.63	3.99	9321	28	450	535								

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

Three Phase Operation

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

In Duct (NEC Table 310-79): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

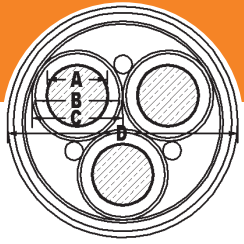
Isolated in Air (NEC Table 310-71): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 Power

25kV

100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/ft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
25kV 100% Aluminum Three Conductor AIA																				
Q90440A	1 AWG AL	260	3	10 AWG	0.324	0.89	0.95	2.50	2350	18			135	145						
Q9Q440A	1/0 AWG AL	260	3	10 AWG	0.364	0.93	0.99	2.59	2522	19			150	170						
Q9R440A	2/0 AWG AL	260	3	8 AWG	0.408	0.98	1.03	2.68	2779	19			170	190						
Q9S440A	3/0 AWG AL	260	3	8 AWG	0.458	1.03	1.10	2.82	3079	20			195	220						
Q9T440A	4/0 AWG AL	260	3	8 AWG	0.515	1.08	1.16	2.95	3367	21			220	255						
Q9U440A	250 MCM AL	260	3	8 AWG	0.561	1.14	1.21	3.06	3624	22			245	280						
Q9V440A	350 MCM AL	260	3	7 AWG	0.664	1.24	1.31	3.30	4310	24			295	345						
Q9W440A	500 MCM AL	260	3	6 AWG	0.794	1.37	1.44	3.58	5176	26			355	425						
Q9X440A	750 MCM AL	260	3	5 AWG	0.974	1.56	1.64	4.02	6627	29			440	540						
25kV 133% Aluminum Three Conductor AIA																				
QBQ440A	1/0 AWG AL	345	3	10 AWG	0.364	1.11	1.18	3.00	3208	21			150	170						
QBR440A	2/0 AWG AL	345	3	8 AWG	0.408	1.15	1.22	3.09	3485	22			170	190						
QBS440A	3/0 AWG AL	345	3	8 AWG	0.458	1.20	1.27	3.20	3743	23			195	220						
QBT440A	4/0 AWG AL	345	3	8 AWG	0.515	1.26	1.33	3.34	4117	24			220	255						
QBU440A	250 MCM AL	345	3	8 AWG	0.561	1.31	1.38	3.46	4398	25			245	280						
QBV440A	350 MCM AL	345	3	7 AWG	0.664	1.41	1.48	3.68	5068	26			295	345						
QBW440A	500 MCM AL	345	3	6 AWG	0.794	1.54	1.63	3.99	6077	28			355	425						

†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.

Three Phase Operation

In Duct (NEC Table 310-80): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

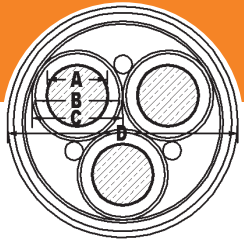
Isolated in Air (NEC Table 310-72): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 Power

35kV

100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/100')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
35kV 100% Copper Three Conductor AIA																				
QB8440A	1/0 AWG CU	345	3	8 AWG	0.364	1.11	1.18	3.00	3938	21			195	215						
QB9440A	2/0 AWG CU	345	3	8 AWG	0.408	1.15	1.22	3.09	4333	22			220	245						
QBA440A	3/0 AWG CU	345	3	7 AWG	0.458	1.20	1.27	3.20	4851	23			250	285						
QBB440A	4/0 AWG CU	345	3	7 AWG	0.515	1.26	1.33	3.34	5503	24			285	325						
QBC440A	250 MCM CU	345	3	7 AWG	0.561	1.31	1.38	3.46	6028	25			310	360						
QBD440A	350 MCM CU	345	3	6 AWG	0.664	1.41	1.48	3.68	7343	26			375	435						
QBE440A	500 MCM CU	345	3	5 AWG	0.794	1.54	1.63	3.99	9321	28			450	535						
35kV 133% Copper Three Conductor AIA																				
QC8440A	1/0 AWG CU	420	3	8 AWG	0.364	1.26	1.33	3.35	4614	24			195	215						
QC9440A	2/0 AWG CU	420	3	8 AWG	0.408	1.30	1.38	3.44	5027	25			220	245						
QCA440A	3/0 AWG CU	420	3	7 AWG	0.458	1.35	1.43	3.55	5565	25			250	285						
QCB440A	4/0 AWG CU	420	3	7 AWG	0.515	1.41	1.48	3.68	6178	26			285	325						
QCC440A	250 MCM CU	420	3	7 AWG	0.561	1.46	1.54	3.79	6721	27			310	360						
QCD440A	350 MCM CU	420	3	6 AWG	0.664	1.57	1.65	4.05	8164	29			375	435						

†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.

Three Phase Operation

In Duct (NEC Table 310-79): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

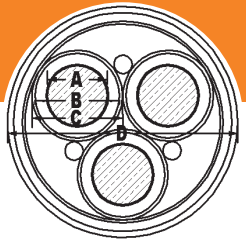
Isolated in Air (NEC Table 310-71): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 Power

35kV

100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/ft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
35kV 100% Aluminum Three Conductor AIA																				
QBQ440A	1/0 AWG AL	345	3	10 AWG	0.364	1.11	1.18	3.00	3208	21			150	170						
QBR440A	2/0 AWG AL	345	3	8 AWG	0.408	1.15	1.22	3.09	3485	22			170	190						
QBS440A	3/0 AWG AL	345	3	8 AWG	0.458	1.20	1.27	3.20	3743	23			195	220						
QBT440A	4/0 AWG AL	345	3	8 AWG	0.515	1.26	1.33	3.34	4117	24			220	255						
QBU440A	250 MCM AL	345	3	8 AWG	0.561	1.31	1.38	3.46	4398	25			245	280						
QBV440A	350 MCM AL	345	3	7 AWG	0.664	1.41	1.48	3.68	5068	26			295	345						
QBW440A	500 MCM AL	345	3	6 AWG	0.794	1.54	1.63	3.99	6077	28			355	425						
35kV 133% Aluminum Three Conductor AIA																				
QCQ440A	1/0 AWG AL	420	3	10 AWG	0.364	1.26	1.33	3.35	3884	24			150	170						
QCR440A	2/0 AWG AL	420	3	8 AWG	0.408	1.30	1.38	3.44	4179	25			170	190						
QCS440A	3/0 AWG AL	420	3	8 AWG	0.458	1.35	1.43	3.55	4457	25			195	220						
QCT440A	4/0 AWG AL	420	3	8 AWG	0.515	1.41	1.48	3.68	4791	26			220	255						
QCU440A	250 MCM AL	420	3	8 AWG	0.561	1.46	1.54	3.79	5091	27			245	280						
QCV440A	350 MCM AL	420	3	7 AWG	0.664	1.57	1.65	4.05	5889	29			295	345						

†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.

Three Phase Operation

In Duct (NEC Table 310-80): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

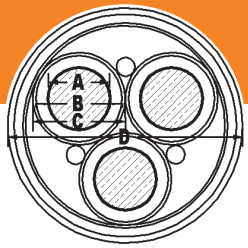
Isolated in Air (NEC Table 310-72): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 POWER

5kV
100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/100')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
5kV 100% Copper Three Conductor GSIA																				
Q42460A	4 AWG CU	90	3	10 AWG	0.226	0.45	0.51	1.46	1479	11	100	105								
Q44460A	2 AWG CU	90	3	10 AWG	0.284	0.51	0.57	1.59	1830	12	135	140								
Q46460A	1 AWG CU	90	3	8 AWG	0.324	0.55	0.61	1.70	2157	12	155	160								
Q48460A	1/0 AWG CU	90	3	8 AWG	0.364	0.59	0.65	1.78	2449	13	175	185								
Q49460A	2/0 AWG CU	90	3	8 AWG	0.408	0.64	0.69	1.91	2953	14	200	215								
Q4A460A	3/0 AWG CU	90	3	7 AWG	0.458	0.69	0.74	2.02	3432	15	230	250								
Q4B460A	4/0 AWG CU	90	3	7 AWG	0.515	0.74	0.80	2.14	3978	15	265	285								
Q4C460A	250 MCM CU	90	3	7 AWG	0.561	0.80	0.85	2.25	4460	16	290	320								
Q4D460A	350 MCM CU	90	3	6 AWG	0.664	0.90	0.95	2.50	5761	18	355	395								
Q4E460A	500 MCM CU	90	3	5 AWG	0.794	1.03	1.10	2.82	7626	20	430	485								
Q4F460A	750 MCM CU	90	3	4 AWG	0.974	1.22	1.29	3.24	10621	23	530	615								
Q4G460A	1000 MCM CU	90	3	4 AWG	1.124	1.37	1.44	3.57	13385	25	600	705								
5kV 133% Copper Three Conductor GSIA																				
Q52460A	4 AWG CU	115	3	10 AWG	0.226	0.50	0.56	1.57	1606	12	100	105								
Q54460A	2 AWG CU	115	3	10 AWG	0.284	0.56	0.62	1.72	1996	13	135	140								
Q56460A	1 AWG CU	115	3	8 AWG	0.324	0.60	0.66	1.80	2298	13	155	160								
Q58460A	1/0 AWG CU	115	3	8 AWG	0.364	0.64	0.70	1.92	2747	14	175	185								
Q59460A	2/0 AWG CU	115	3	8 AWG	0.408	0.69	0.74	2.02	3113	15	200	215								
Q5A460A	3/0 AWG CU	115	3	7 AWG	0.458	0.74	0.79	2.12	3598	15	230	250								
Q5B460A	4/0 AWG CU	115	3	7 AWG	0.515	0.79	0.85	2.25	4150	16	265	285								
Q5C460A	250 MCM CU	115	3	7 AWG	0.561	0.85	0.90	2.36	4639	17	290	320								
Q5D460A	350 MCM CU	115	3	6 AWG	0.664	0.95	1.00	2.61	5955	19	355	395								
Q5E460A	500 MCM CU	115	3	5 AWG	0.794	1.08	1.15	2.93	7837	21	430	485								
Q5F460A	750 MCM CU	115	3	4 AWG	0.974	1.27	1.34	3.35	10857	24	530	615								
Q5G460A	1000 MCM CU	115	3	4 AWG	1.124	1.42	1.49	3.68	13638	26	600	705								

†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.

Three Phase Operation

In Duct (NEC Table 310-79): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

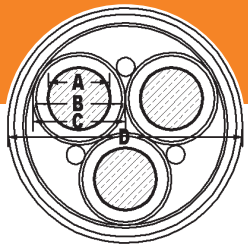
Isolated in Air (NEC Table 310-71): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacity stated in Table 310-71 (Copper), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 POWER

5kV
100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs./kft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
5kV 100% Aluminum Three Conductor GSIA																				
Q4K46ØA	4 AWG AL	90	3	10 AWG	0.226	0.45	0.51	1.46	1215	11	80	81								
Q4M46ØA	2 AWG AL	90	3	10 AWG	0.284	0.51	0.57	1.59	1411	12	105	110								
Q4O46ØA	1 AWG AL	90	3	10 AWG	0.324	0.55	0.61	1.70	1568	12	120	125								
Q4Q46ØA	1/0 AWG AL	90	3	10 AWG	0.364	0.59	0.65	1.78	1720	13	140	145								
Q4R46ØA	2/0 AWG AL	90	3	8 AWG	0.408	0.64	0.69	1.91	2106	14	160	170								
Q4S46ØA	3/0 AWG AL	90	3	8 AWG	0.458	0.69	0.74	2.02	2325	15	180	195								
Q4T46ØA	4/0 AWG AL	90	3	8 AWG	0.515	0.74	0.80	2.14	2592	15	205	225								
Q4U46ØA	250 MCM AL	90	3	8 AWG	0.561	0.80	0.85	2.25	2830	16	230	250								
Q4V46ØA	350 MCM AL	90	3	7 AWG	0.664	0.90	0.95	2.50	3487	18	280	310								
Q4W46ØA	500 MCM AL	90	3	6 AWG	0.794	1.03	1.10	2.82	4382	20	340	385								
Q4X46ØA	750 MCM AL	90	3	5 AWG	0.974	1.22	1.29	3.24	5748	23	425	495								
Q4Y46ØA	1000 MCM AL	90	3	4 AWG	1.124	1.37	1.44	3.57	6984	25	495	585								
5kV 133% Aluminum Three Conductor GSIA																				
Q5K46ØA	4 AWG AL	115	3	10 AWG	0.226	0.50	0.56	1.57	1342	12	80	81								
Q5M46ØA	2 AWG AL	115	3	10 AWG	0.284	0.56	0.62	1.72	1577	13	105	110								
Q5O46ØA	1 AWG AL	115	3	10 AWG	0.324	0.60	0.66	1.80	1708	13	120	125								
Q5Q46ØA	1/0 AWG AL	115	3	10 AWG	0.364	0.64	0.70	1.92	2017	14	140	145								
Q5R46ØA	2/0 AWG AL	115	3	8 AWG	0.408	0.69	0.74	2.02	2265	15	160	170								
Q5S46ØA	3/0 AWG AL	115	3	8 AWG	0.458	0.74	0.79	2.12	2490	15	180	195								
Q5T46ØA	4/0 AWG AL	115	3	8 AWG	0.515	0.79	0.85	2.25	2764	16	205	225								
Q5U46ØA	250 MCM AL	115	3	8 AWG	0.561	0.85	0.90	2.36	3009	17	230	250								
Q5V46ØA	350 MCM AL	115	3	7 AWG	0.664	0.95	1.00	2.61	3680	19	280	310								
Q5W46ØA	500 MCM AL	115	3	6 AWG	0.794	1.08	1.15	2.93	4593	21	340	385								
Q5X46ØA	750 MCM AL	115	3	5 AWG	0.974	1.27	1.34	3.35	5983	24	425	495								
Q5Y46ØA	1000 MCM AL	115	3	4 AWG	1.124	1.42	1.49	3.68	7237	26	495	585								

†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.

Three Phase Operation

In Duct (NEC Table 310-80): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

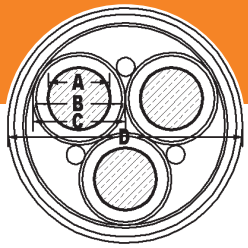
Isolated in Air (NEC Table 310-72): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 POWER

8kV
100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/100')		Minimum Bending Radius (in.)		† Ampacity (Amps)	
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air				
8kV 100% Copper Three Conductor GSIA																			
Q52460A	4 AWG CU	115	3	10 AWG	0.226	0.50	0.56	1.57	1606	12	115	120							
Q54460A	2 AWG CU	115	3	10 AWG	0.284	0.56	0.62	1.72	1996	13	150	165							
Q56460A	1 AWG CU	115	3	8 AWG	0.324	0.60	0.66	1.80	2298	13	170	185							
Q58460A	1/0 AWG CU	115	3	8 AWG	0.364	0.64	0.70	1.92	2747	14	195	215							
Q59460A	2/0 AWG CU	115	3	8 AWG	0.408	0.69	0.74	2.02	3113	15	220	245							
Q5A460A	3/0 AWG CU	115	3	7 AWG	0.458	0.74	0.79	2.12	3598	15	250	285							
Q5B460A	4/0 AWG CU	115	3	7 AWG	0.515	0.79	0.85	2.25	4150	16	285	325							
Q5C460A	250 MCM CU	115	3	7 AWG	0.561	0.85	0.90	2.36	4639	17	310	360							
Q5D460A	350 MCM CU	115	3	6 AWG	0.664	0.95	1.00	2.61	5955	19	375	435							
Q5E460A	500 MCM CU	115	3	5 AWG	0.794	1.08	1.15	2.93	7837	21	450	535							
Q5F460A	750 MCM CU	115	3	4 AWG	0.974	1.27	1.34	3.35	10857	24	545	670							
Q5G460A	1000 MCM CU	115	3	4 AWG	1.124	1.42	1.49	3.68	13638	26	615	770							
8kV 133% Copper Three Conductor GSIA																			
Q64460A	2 AWG CU	140	3	10 AWG	0.284	0.61	0.67	1.86	2142	13	150	165							
Q66460A	1 AWG CU	140	3	8 AWG	0.324	0.65	0.71	1.94	2598	14	170	185							
Q68460A	1/0 AWG CU	140	3	8 AWG	0.364	0.69	0.75	2.03	2907	15	195	215							
Q69460A	2/0 AWG CU	140	3	8 AWG	0.408	0.74	0.79	2.12	3278	15	220	245							
Q6A460A	3/0 AWG CU	140	3	7 AWG	0.458	0.79	0.84	2.23	3769	16	250	285							
Q6B460A	4/0 AWG CU	140	3	7 AWG	0.515	0.84	0.90	2.35	4328	17	285	325							
Q6C460A	250 MCM CU	140	3	7 AWG	0.561	0.90	0.95	2.50	4893	18	310	360							
Q6D460A	350 MCM CU	140	3	6 AWG	0.664	1.00	1.05	2.72	6154	20	375	435							
Q6E460A	500 MCM CU	140	3	5 AWG	0.794	1.13	1.20	3.03	8054	22	450	535							
Q6F460A	750 MCM CU	140	3	4 AWG	0.974	1.32	1.39	3.46	11098	25	545	670							
Q6G460A	1000 MCM CU	140	3	4 AWG	1.124	1.47	1.54	3.78	13896	27	615	770							

†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.

Three Phase Operation

In Duct (NEC Table 310-79): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

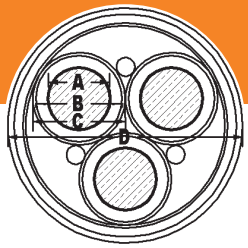
Isolated in Air (NEC Table 310-71): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacity stated in Table 310-71 (Copper), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 POWER

8kV

100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/ft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)					90°C In Duct	90°C In Air					
8kV 100% Aluminum Three Conductor GSIA																		
Q5K46ØA	4 AWG AL	115	3	10 AWG	0.226	0.50	0.56	1.57	1342	12	89	95						
Q5M46ØA	2 AWG AL	115	3	10 AWG	0.284	0.56	0.62	1.72	1577	13	115	125						
Q5O46ØA	1 AWG AL	115	3	10 AWG	0.324	0.60	0.66	1.80	1708	13	135	145						
Q5Q46ØA	1/0 AWG AL	115	3	10 AWG	0.364	0.64	0.70	1.92	2017	14	150	170						
Q5R46ØA	2/0 AWG AL	115	3	8 AWG	0.408	0.69	0.74	2.02	2265	15	170	190						
Q5S46ØA	3/0 AWG AL	115	3	8 AWG	0.458	0.74	0.79	2.12	2490	15	195	220						
Q5T46ØA	4/0 AWG AL	115	3	8 AWG	0.515	0.79	0.85	2.25	2764	16	220	255						
Q5U46ØA	250 MCM AL	115	3	8 AWG	0.561	0.85	0.90	2.36	3009	17	245	280						
Q5V46ØA	350 MCM AL	115	3	7 AWG	0.664	0.95	1.00	2.61	3680	19	295	345						
Q5W46ØA	500 MCM AL	115	3	6 AWG	0.794	1.08	1.15	2.93	4593	21	355	425						
Q5X46ØA	750 MCM AL	115	3	5 AWG	0.974	1.27	1.34	3.35	5983	24	440	540						
Q5Y46ØA	1000 MCM AL	115	3	4 AWG	1.124	1.42	1.49	3.68	7237	26	510	635						
8kV 133% Aluminum Three Conductor GSIA																		
Q6O46ØA	1 AWG AL	140	3	10 AWG	0.324	0.65	0.71	1.94	2009	14	135	145						
Q6Q46ØA	1/0 AWG AL	140	3	10 AWG	0.364	0.69	0.75	2.03	2177	15	150	170						
Q6R46ØA	2/0 AWG AL	140	3	8 AWG	0.408	0.74	0.79	2.12	2431	15	170	190						
Q6S46ØA	3/0 AWG AL	140	3	8 AWG	0.458	0.79	0.84	2.23	2662	16	195	220						
Q6T46ØA	4/0 AWG AL	140	3	8 AWG	0.515	0.84	0.90	2.35	2942	17	220	255						
Q6U46ØA	250 MCM AL	140	3	8 AWG	0.561	0.90	0.95	2.50	3263	18	245	280						
Q6V46ØA	350 MCM AL	140	3	7 AWG	0.664	1.00	1.05	2.72	3879	20	295	345						
Q6W46ØA	500 MCM AL	140	3	6 AWG	0.794	1.13	1.20	3.03	4810	22	355	425						
Q6X46ØA	750 MCM AL	140	3	5 AWG	0.974	1.32	1.39	3.46	6224	25	440	540						
Q6Y46ØA	1000 MCM AL	140	3	4 AWG	1.124	1.47	1.54	3.78	7495	27	510	635						

†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.

Three Phase Operation

In Duct (NEC Table 310-80): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

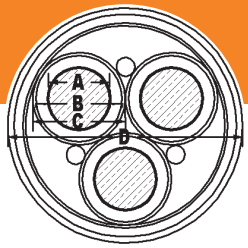
Isolated in Air (NEC Table 310-72): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 POWER

15kV
100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/100')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
15kV 100% Copper Three Conductor GSIA																				
Q74460A	2 AWG CU	175	3	10 AWG	0.284	0.68	0.74	2.01	2506	15	150	165								
Q76460A	1 AWG CU	175	3	8 AWG	0.324	0.72	0.78	2.09	2826	15	170	185								
Q78460A	1/0 AWG CU	175	3	8 AWG	0.364	0.76	0.82	2.18	3141	16	195	215								
Q79460A	2/0 AWG CU	175	3	8 AWG	0.408	0.81	0.86	2.27	3520	16	220	245								
Q7A460A	3/0 AWG CU	175	3	7 AWG	0.458	0.86	0.91	2.38	4019	17	250	285								
Q7B460A	4/0 AWG CU	175	3	7 AWG	0.515	0.91	0.97	2.54	4658	18	285	325								
Q7C460A	250 MCM CU	175	3	7 AWG	0.561	0.97	1.02	2.65	5165	19	310	360								
Q7D460A	350 MCM CU	175	3	6 AWG	0.664	1.07	1.14	2.91	6519	21	375	435								
Q7E460A	500 MCM CU	175	3	5 AWG	0.794	1.20	1.27	3.19	8367	23	450	535								
Q7F460A	750 MCM CU	175	3	4 AWG	0.974	1.39	1.46	3.61	11445	26	545	670								
Q7G460A	1000 MCM CU	175	3	4 AWG	1.124	1.54	1.62	3.97	14367	28	615	770								
15kV 133% Copper Three Conductor GSIA																				
Q84460A	2 AWG CU	220	3	10 AWG	0.284	0.77	0.83	2.20	2807	16	150	165								
Q86460A	1 AWG CU	220	3	8 AWG	0.324	0.81	0.87	2.29	3135	17	170	185								
Q88460A	1/0 AWG CU	220	3	8 AWG	0.364	0.85	0.91	2.37	3459	17	195	215								
Q89460A	2/0 AWG CU	220	3	8 AWG	0.408	0.90	0.95	2.50	3917	18	220	245								
Q8A460A	3/0 AWG CU	220	3	7 AWG	0.458	0.95	1.00	2.61	4430	19	250	285								
Q8B460A	4/0 AWG CU	220	3	7 AWG	0.515	1.00	1.06	2.73	5014	20	285	325								
Q8C460A	250 MCM CU	220	3	7 AWG	0.561	1.06	1.13	2.88	5606	21	310	360								
Q8D460A	350 MCM CU	220	3	6 AWG	0.664	1.16	1.23	3.10	6911	22	375	435								
Q8E460A	500 MCM CU	220	3	5 AWG	0.794	1.29	1.36	3.40	8851	24	450	535								
Q8F460A	750 MCM CU	220	3	4 AWG	0.974	1.48	1.55	3.81	11909	27	545	670								
Q8G460A	1000 MCM CU	220	3	4 AWG	1.124	1.63	1.71	4.17	14866	30	615	770								

†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.

Three Phase Operation

In Duct (NEC Table 310-79): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

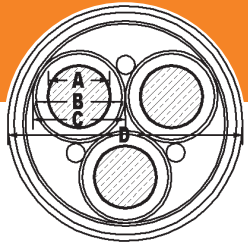
Isolated in Air (NEC Table 310-71): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in Air" values noted above.



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15kV
100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs./kft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)					90°C In Duct	90°C In Air					
15kV 100% Aluminum Three Conductor GSIA																		
Q7M46ØA	2 AWG AL	175	3	10 AWG	0.284	0.68	0.74	2.01	2086	15	115	125						
Q7O46ØA	1 AWG AL	175	3	10 AWG	0.324	0.72	0.78	2.09	2236	15	135	145						
Q7Q46ØA	1/0 AWG AL	175	3	10 AWG	0.364	0.76	0.82	2.18	2412	16	150	170						
Q7R46ØA	2/0 AWG AL	175	3	8 AWG	0.408	0.81	0.86	2.27	2672	16	170	190						
Q7S46ØA	3/0 AWG AL	175	3	8 AWG	0.458	0.86	0.91	2.38	2911	17	195	220						
Q7T46ØA	4/0 AWG AL	175	3	8 AWG	0.515	0.91	0.97	2.54	3272	18	220	255						
Q7U46ØA	250 MCM AL	175	3	8 AWG	0.561	0.97	1.02	2.65	3535	19	245	280						
Q7V46ØA	350 MCM AL	175	3	7 AWG	0.664	1.07	1.14	2.91	4244	21	295	345						
Q7W46ØA	500 MCM AL	175	3	6 AWG	0.794	1.20	1.27	3.19	5123	23	355	425						
Q7X46ØA	750 MCM AL	175	3	5 AWG	0.974	1.39	1.46	3.61	6571	26	440	540						
Q7Y46ØA	1000 MCM AL	175	3	4 AWG	1.124	1.54	1.62	3.97	7966	28	510	635						
15kV 133% Aluminum Three Conductor GSIA																		
Q8M46ØA	2 AWG AL	220	3	10 AWG	0.284	0.77	0.83	2.20	2387	16	115	125						
Q8O46ØA	1 AWG AL	220	3	10 AWG	0.324	0.81	0.87	2.29	2546	17	135	145						
Q8Q46ØA	1/0 AWG AL	220	3	10 AWG	0.364	0.85	0.91	2.37	2729	17	150	170						
Q8R46ØA	2/0 AWG AL	220	3	8 AWG	0.408	0.90	0.95	2.50	3070	18	170	190						
Q8S46ØA	3/0 AWG AL	220	3	8 AWG	0.458	0.95	1.00	2.61	3322	19	195	220						
Q8T46ØA	4/0 AWG AL	220	3	8 AWG	0.515	1.00	1.06	2.73	3627	20	220	255						
Q8U46ØA	250 MCM AL	220	3	8 AWG	0.561	1.06	1.13	2.88	3976	21	245	280						
Q8V46ØA	350 MCM AL	220	3	7 AWG	0.664	1.16	1.23	3.10	4636	22	295	345						
Q8W46ØA	500 MCM AL	220	3	6 AWG	0.794	1.29	1.36	3.40	5607	24	355	425						
Q8X46ØA	750 MCM AL	220	3	5 AWG	0.974	1.48	1.55	3.81	7035	27	440	540						
Q8Y46ØA	1000 MCM AL	220	3	4 AWG	1.124	1.63	1.71	4.17	8465	30	510	635						

†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.

Three Phase Operation

In Duct (NEC Table 310-80): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

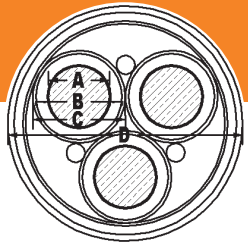
Isolated in Air (NEC Table 310-72): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 POWER

25kV

100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/100')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
25kV 100% Copper Three Conductor GSIA																				
Q9646ØA	1 AWG CU	260	3	8 AWG	0.324	0.89	0.95	2.49	3496	18	170	185								
Q9846ØA	1/0 AWG CU	260	3	8 AWG	0.364	0.93	0.99	2.58	3830	19	195	215								
Q9946ØA	2/0 AWG CU	260	3	8 AWG	0.408	0.98	1.03	2.67	4229	19	220	245								
Q9A46ØA	3/0 AWG CU	260	3	7 AWG	0.458	1.03	1.10	2.81	4825	20	250	285								
Q9B46ØA	4/0 AWG CU	260	3	7 AWG	0.515	1.08	1.16	2.94	5422	21	285	325								
Q9C46ØA	250 MCM CU	260	3	7 AWG	0.561	1.14	1.21	3.05	5952	22	310	360								
Q9D46ØA	350 MCM CU	260	3	6 AWG	0.664	1.24	1.31	3.29	7338	24	375	435								
Q9E46ØA	500 MCM CU	260	3	5 AWG	0.794	1.37	1.44	3.57	9244	26	450	535								
Q9F46ØA	750 MCM CU	260	3	4 AWG	0.974	1.56	1.64	4.01	12436	29	545	670								
25kV 133% Copper Three Conductor GSIA																				
QB846ØA	1/0 AWG CU	345	3	8 AWG	0.364	1.11	1.18	2.99	4620	21	195	215								
QB946ØA	2/0 AWG CU	345	3	8 AWG	0.408	1.15	1.22	3.08	5039	22	220	245								
QBA46ØA	3/0 AWG CU	345	3	7 AWG	0.458	1.20	1.27	3.19	5584	23	250	285								
QBB46ØA	4/0 AWG CU	345	3	7 AWG	0.515	1.26	1.33	3.33	6267	24	285	325								
QBC46ØA	250 MCM CU	345	3	7 AWG	0.561	1.31	1.38	3.45	6820	25	310	360								
QBD46ØA	350 MCM CU	345	3	6 AWG	0.664	1.41	1.48	3.67	8191	26	375	435								
QBE46ØA	500 MCM CU	345	3	5 AWG	0.794	1.54	1.63	3.98	10249	28	450	535								

†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.

Three Phase Operation

In Duct (NEC Table 310-79): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

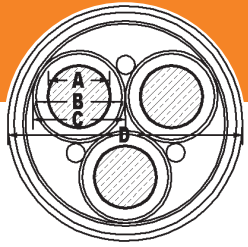
Isolated in Air (NEC Table 310-71): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 POWER

25kV
100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/ft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
25kV 100% Aluminum Three Conductor GSIA																				
Q9Q46ØA	1 AWG AL	260	3	10 AWG	0.324	0.89	0.95	2.49	2907	18			135	145						
Q9Q46ØA	1/0 AWG AL	260	3	10 AWG	0.364	0.93	0.99	2.58	3100	19			150	170						
Q9R46ØA	2/0 AWG AL	260	3	8 AWG	0.408	0.98	1.03	2.67	3381	19			170	190						
Q9S46ØA	3/0 AWG AL	260	3	8 AWG	0.458	1.03	1.10	2.81	3717	20			195	220						
Q9T46ØA	4/0 AWG AL	260	3	8 AWG	0.515	1.08	1.16	2.94	4036	21			220	255						
Q9U46ØA	250 MCM AL	260	3	8 AWG	0.561	1.14	1.21	3.05	4322	22			245	280						
Q9V46ØA	350 MCM AL	260	3	7 AWG	0.664	1.24	1.31	3.29	5063	24			295	345						
Q9W46ØA	500 MCM AL	260	3	6 AWG	0.794	1.37	1.44	3.57	6000	26			355	425						
Q9X46ØA	750 MCM AL	260	3	5 AWG	0.974	1.56	1.64	4.01	7562	29			440	540						
25kV 133% Aluminum Three Conductor GSIA																				
QBQ46ØA	1/0 AWG AL	345	3	10 AWG	0.364	1.11	1.18	2.99	3890	21			150	170						
QBR46ØA	2/0 AWG AL	345	3	8 AWG	0.408	1.15	1.22	3.08	4191	22			170	190						
QBS46ØA	3/0 AWG AL	345	3	8 AWG	0.458	1.20	1.27	3.19	4476	23			195	220						
QBT46ØA	4/0 AWG AL	345	3	8 AWG	0.515	1.26	1.33	3.33	4881	24			220	255						
QBU46ØA	250 MCM AL	345	3	8 AWG	0.561	1.31	1.38	3.45	5190	25			245	280						
QBV46ØA	350 MCM AL	345	3	7 AWG	0.664	1.41	1.48	3.67	5916	26			295	345						
QBW46ØA	500 MCM AL	345	3	6 AWG	0.794	1.54	1.63	3.98	7005	28			355	425						

†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.

Three Phase Operation

In Duct (NEC Table 310-80): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

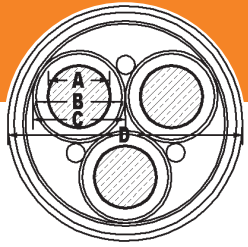
Isolated in Air (NEC Table 310-72): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 POWER

35kV

100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/1000')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
35kV 100% Copper Three Conductor GSIA																				
QB846ØA	1/0 AWG CU	345	3	8 AWG	0.364	1.11	1.18	2.99	4620	21			195	215						
QB946ØA	2/0 AWG CU	345	3	8 AWG	0.408	1.15	1.22	3.08	5039	22			220	245						
QBA46ØA	3/0 AWG CU	345	3	7 AWG	0.458	1.20	1.27	3.19	5584	23			250	285						
QBB46ØA	4/0 AWG CU	345	3	7 AWG	0.515	1.26	1.33	3.33	6267	24			285	325						
QBC46ØA	250 MCM CU	345	3	7 AWG	0.561	1.31	1.38	3.45	6820	25			310	360						
QBD46ØA	350 MCM CU	345	3	6 AWG	0.664	1.41	1.48	3.67	8191	26			375	435						
QBE46ØA	500 MCM CU	345	3	5 AWG	0.794	1.54	1.63	3.98	10249	28			450	535						
35kV 133% Copper Three Conductor GSIA																				
QC846ØA	1/0 AWG CU	420	3	8 AWG	0.364	1.26	1.33	3.34	5380	24			195	215						
QC946ØA	2/0 AWG CU	420	3	8 AWG	0.408	1.30	1.38	3.43	5816	25			220	245						
QCA46ØA	3/0 AWG CU	420	3	7 AWG	0.458	1.35	1.43	3.54	6381	25			250	285						
QCB46ØA	4/0 AWG CU	420	3	7 AWG	0.515	1.41	1.48	3.67	7025	26			285	325						
QCC46ØA	250 MCM CU	420	3	7 AWG	0.561	1.46	1.54	3.78	7597	27			310	360						
QCD46ØA	350 MCM CU	420	3	6 AWG	0.664	1.57	1.65	4.04	9105	29			375	435						

†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.

Three Phase Operation

In Duct (NEC Table 310-79): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

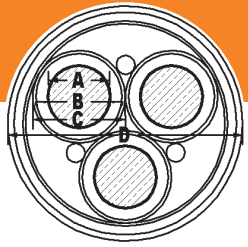
Isolated in Air (NEC Table 310-71): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in Air" values noted above.



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3/C TRXLPE MC MV-90 POWER

35kV

100% | 133%

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs/ft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							90°C In Duct	90°C In Air					
35kV 100% Aluminum Three Conductor GSIA																				
QBQ460A	1/0 AWG AL	345	3	10 AWG	0.364	1.11	1.18	2.99	3890	21			150	170						
QBR460A	2/0 AWG AL	345	3	8 AWG	0.408	1.15	1.22	3.08	4191	22			170	190						
QBS460A	3/0 AWG AL	345	3	8 AWG	0.458	1.20	1.27	3.19	4476	23			195	220						
QBT460A	4/0 AWG AL	345	3	8 AWG	0.515	1.26	1.33	3.33	4881	24			220	255						
QBU460A	250 MCM AL	345	3	8 AWG	0.561	1.31	1.38	3.45	5190	25			245	280						
QBV460A	350 MCM AL	345	3	7 AWG	0.664	1.41	1.48	3.67	5916	26			295	345						
QBW460A	500 MCM AL	345	3	6 AWG	0.794	1.54	1.63	3.98	7005	28			355	425						
35kV 133% Aluminum Three Conductor GSIA																				
QCQ460A	1/0 AWG AL	420	3	10 AWG	0.364	1.26	1.33	3.34	4650	24			150	170						
QCR460A	2/0 AWG AL	420	3	8 AWG	0.408	1.30	1.38	3.43	4969	25			170	190						
QCS460A	3/0 AWG AL	420	3	8 AWG	0.458	1.35	1.43	3.54	5274	25			195	220						
QCT460A	4/0 AWG AL	420	3	8 AWG	0.515	1.41	1.48	3.67	5639	26			220	255						
QCU460A	250 MCM AL	420	3	8 AWG	0.561	1.46	1.54	3.78	5967	27			245	280						
QCV460A	350 MCM AL	420	3	7 AWG	0.664	1.57	1.65	4.04	6830	29			295	345						

†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.

Three Phase Operation

In Duct (NEC Table 310-80): Three-conductor cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, and shields short-circuited.

Isolated in Air (NEC Table 310-72): Three-conductor cable, 90°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in Air" values noted above.



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