



## Description

Three conductor cable with stranded copper or aluminum conductors, triple extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength EPROTENAX™ EPR 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

Type MV-105-MC  
For CT USE  
Direct Buried  
Sunlight Resistant



## Specifications

## Ratings (continued)

**IEEE** IEEE 383 Flame Test

For 105°C continuous, 140°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 compact concentric 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 EPROTENAX™ EPR-based insulation, combined with other materials and agents that enhance the electrical and mechanical characteristics assuring extended cable life.

### 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 conductor(s).

## 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

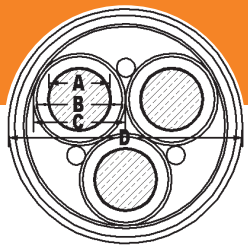
- Black sunlight resistant polyvinyl chloride (PVC) jacket tightly applied over the binder tape.

## Options

- Strandseal®
- Compressed or compact stranded conductors
- One grounding conductor
- Colored Jackets
- CPE, LLDPE, or LSOH Jacket
- Oil-resistant Jacket

## Installations

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



# 3/C EPR MC MV-105 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)							‡105°C In Duct	‡105°C In Air					
<b>5kV 100% Copper Three Conductor AIA</b>																				
QJ244CA	4 AWG CU	90	3	10 AWG	0.215	0.45	0.51	1.47	1265	11	110	115								
QJ444CA	2 AWG CU	90	3	10 AWG	0.266	0.50	0.56	1.58	1585	12	145	154								
QJ644CA	1 AWG CU	90	3	8 AWG	0.299	0.53	0.59	1.68	1829	12	165	180								
QJ844CA	1/0 AWG CU	90	3	8 AWG	0.341	0.57	0.63	1.77	2111	13	190	205								
QJ944CA	2/0 AWG CU	90	3	8 AWG	0.376	0.61	0.67	1.86	2540	14	220	240								
QJA44CA	3/0 AWG CU	90	3	7 AWG	0.423	0.66	0.71	1.96	2951	14	250	280								
QJB44CA	4/0 AWG CU	90	3	7 AWG	0.479	0.71	0.77	2.08	3458	15	285	320								
QJC44CA	250 MCM CU	90	3	7 AWG	0.522	0.76	0.82	2.19	3914	16	315	355								
QJD44CA	350 MCM CU	90	3	6 AWG	0.622	0.86	0.92	2.44	5146	18	380	440								
QJE44CA	500 MCM CU	90	3	5 AWG	0.742	0.98	1.05	2.73	6898	20	460	545								
QJF44CA	750 MCM CU	90	3	4 AWG	0.917	1.16	1.24	3.14	9832	23	570	685								
QJG44CA	1000 MCM CU	90	3	4 AWG	1.071	1.32	1.39	3.48	12524	25	645	790								
<b>5kV 133% Copper Three Conductor AIA</b>																				
QK244CA	4 AWG CU	115	3	10 AWG	0.215	0.50	0.56	1.58	1381	12	110	115								
QK444CA	2 AWG CU	115	3	10 AWG	0.266	0.55	0.61	1.71	1740	12	145	154								
QK644CA	1 AWG CU	115	3	8 AWG	0.299	0.58	0.64	1.78	1959	13	165	180								
QK844CA	1/0 AWG CU	115	3	8 AWG	0.341	0.62	0.68	1.89	2299	14	190	205								
QK944CA	2/0 AWG CU	115	3	8 AWG	0.376	0.66	0.72	1.97	2684	14	220	240								
QKA44CA	3/0 AWG CU	115	3	7 AWG	0.423	0.71	0.76	2.07	3102	15	250	280								
QKB44CA	4/0 AWG CU	115	3	7 AWG	0.479	0.76	0.82	2.19	3617	16	285	320								
QKC44CA	250 MCM CU	115	3	7 AWG	0.522	0.81	0.87	2.30	4080	17	315	355								
QKD44CA	350 MCM CU	115	3	6 AWG	0.622	0.91	0.97	2.54	5329	18	380	440								
QKE44CA	500 MCM CU	115	3	5 AWG	0.742	1.03	1.10	2.84	7101	20	460	545								
QKF44CA	750 MCM CU	115	3	4 AWG	0.917	1.21	1.29	3.25	10062	23	570	685								
QKG44CA	1000 MCM CU	115	3	4 AWG	1.071	1.37	1.44	3.59	12776	26	645	790								

†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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

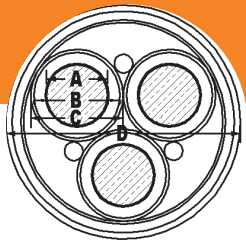
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in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

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



1-800-845-8507 (US)  
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# 3/C EPR MC MV-105 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/1000')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							‡105°C In Duct	‡105°C In Air					
<b>5kV 100% Aluminum Three Conductor AIA</b>																				
QJK44CA	4 AWG AL	90	3	10 AWG	0.215	0.45	0.51	1.47	1001	11	86	90								
QJM44CA	2 AWG AL	90	3	10 AWG	0.266	0.50	0.56	1.58	1165	12	110	120								
QJO44CA	1 AWG AL	90	3	10 AWG	0.299	0.53	0.59	1.68	1298	12	130	140								
QJQ44CA	1/0 AWG AL	90	3	10 AWG	0.336	0.57	0.63	1.75	1431	13	150	160								
QJR44CA	2/0 AWG AL	90	3	8 AWG	0.379	0.61	0.67	1.87	1698	14	170	185								
QJS44CA	3/0 AWG AL	90	3	8 AWG	0.423	0.66	0.71	1.96	1887	14	195	215								
QJT44CA	4/0 AWG AL	90	3	8 AWG	0.479	0.71	0.77	2.08	2121	15	220	250								
QJU44CA	250 MCM AL	90	3	8 AWG	0.522	0.76	0.82	2.19	2338	16	245	280								
QJV44CA	350 MCM AL	90	3	7 AWG	0.622	0.86	0.92	2.44	2927	18	310	345								
QJW44CA	500 MCM AL	90	3	6 AWG	0.742	0.98	1.05	2.73	3734	20	365	430								
QJX44CA	750 MCM AL	90	3	5 AWG	0.917	1.16	1.24	3.14	4987	23	460	550								
QJY44CA	1000 MCM AL	90	3	4 AWG	1.071	1.32	1.39	3.48	6177	25	535	650								
<b>5kV 133% Aluminum Three Conductor AIA</b>																				
QKK44CA	4 AWG AL	115	3	10 AWG	0.215	0.50	0.56	1.58	1117	12	86	90								
QKM44CA	2 AWG AL	115	3	10 AWG	0.266	0.55	0.61	1.71	1321	12	110	120								
QKO44CA	1 AWG AL	115	3	10 AWG	0.299	0.58	0.64	1.78	1429	13	130	140								
QKQ44CA	1/0 AWG AL	115	3	10 AWG	0.336	0.62	0.68	1.88	1619	14	150	160								
QKR44CA	2/0 AWG AL	115	3	8 AWG	0.379	0.66	0.72	1.98	1843	14	170	185								
QKS44CA	3/0 AWG AL	115	3	8 AWG	0.423	0.71	0.76	2.07	2038	15	195	215								
QKT44CA	4/0 AWG AL	115	3	8 AWG	0.479	0.76	0.82	2.19	2280	16	220	250								
QKU44CA	250 MCM AL	115	3	8 AWG	0.522	0.81	0.87	2.30	2504	17	245	280								
QKV44CA	350 MCM AL	115	3	7 AWG	0.622	0.91	0.97	2.54	3110	18	310	345								
QKW44CA	500 MCM AL	115	3	6 AWG	0.742	1.03	1.10	2.84	3937	20	365	430								
QKX44CA	750 MCM AL	115	3	5 AWG	0.917	1.21	1.29	3.25	5218	23	460	550								
QKY44CA	1000 MCM AL	115	3	4 AWG	1.071	1.37	1.44	3.59	6429	26	535	650								

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**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 310-80): Three-conductor cable in plastic duct, direct-buried, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

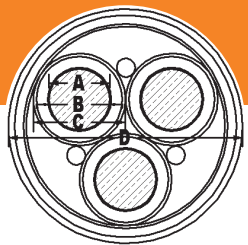
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# 3/C EPR MC MV-105 Power

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/1000')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							‡105°C In Duct	‡105°C In Air					
<b>8kV 100% Copper Three Conductor AIA</b>																				
QK244CA	4 AWG CU	115	3	10 AWG	0.215	0.50	0.56	1.58	1381	12	125	135								
QK444CA	2 AWG CU	115	3	10 AWG	0.266	0.55	0.61	1.71	1740	12	160	185								
QK644CA	1 AWG CU	115	3	8 AWG	0.299	0.58	0.64	1.78	1959	13	185	210								
QK844CA	1/0 AWG CU	115	3	8 AWG	0.341	0.62	0.68	1.89	2299	14	210	240								
QK944CA	2/0 AWG CU	115	3	8 AWG	0.376	0.66	0.72	1.97	2684	14	235	275								
QKA44CA	3/0 AWG CU	115	3	7 AWG	0.423	0.71	0.76	2.07	3102	15	270	315								
QKB44CA	4/0 AWG CU	115	3	7 AWG	0.479	0.76	0.82	2.19	3617	16	305	360								
QKC44CA	250 MCM CU	115	3	7 AWG	0.522	0.81	0.87	2.30	4080	17	335	400								
QKD44CA	350 MCM CU	115	3	6 AWG	0.622	0.91	0.97	2.54	5329	18	400	490								
QKE44CA	500 MCM CU	115	3	5 AWG	0.742	1.03	1.10	2.84	7101	20	485	600								
QKF44CA	750 MCM CU	115	3	4 AWG	0.917	1.21	1.29	3.25	10062	23	585	745								
QKG44CA	1000 MCM CU	115	3	4 AWG	1.071	1.37	1.44	3.59	12776	26	660	860								
<b>8kV 133% Copper Three Conductor AIA</b>																				
QL444CA	2 AWG CU	140	3	10 AWG	0.266	0.60	0.66	1.82	1873	13	160	185								
QL644CA	1 AWG CU	140	3	8 AWG	0.299	0.63	0.69	1.91	2149	14	185	210								
QL844CA	1/0 AWG CU	140	3	8 AWG	0.341	0.67	0.73	2.00	2446	15	210	240								
QL944CA	2/0 AWG CU	140	3	8 AWG	0.376	0.71	0.77	2.08	2836	15	235	275								
QLA44CA	3/0 AWG CU	140	3	7 AWG	0.423	0.76	0.81	2.18	3260	16	270	315								
QLB44CA	4/0 AWG CU	140	3	7 AWG	0.479	0.81	0.87	2.30	3783	17	305	360								
QLC44CA	250 MCM CU	140	3	7 AWG	0.522	0.86	0.92	2.44	4321	18	335	400								
QLD44CA	350 MCM CU	140	3	6 AWG	0.622	0.96	1.02	2.65	5519	19	400	490								
QLE44CA	500 MCM CU	140	3	5 AWG	0.742	1.08	1.15	2.95	7310	21	485	600								
QLF44CA	750 MCM CU	140	3	4 AWG	0.917	1.26	1.34	3.36	10299	24	585	745								
QLG44CA	1000 MCM CU	140	3	4 AWG	1.071	1.42	1.49	3.69	13035	26	660	860								

†Ampacities are based on the following:

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**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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

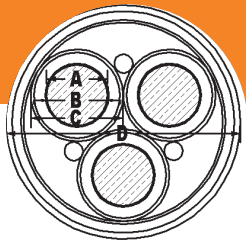
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in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

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# 3/C EPR MC MV-105 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/1000ft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							‡105°C In Duct	‡105°C In Air					
<b>8kV 100% Aluminum Three Conductor AIA</b>																				
QKK44CA	4 AWG AL	115	3	10 AWG	0.215	0.50	0.56	1.58	1117	12	96	105								
QKM44CA	2 AWG AL	115	3	10 AWG	0.266	0.55	0.61	1.71	1321	12	125	145								
QKO44CA	1 AWG AL	115	3	10 AWG	0.299	0.58	0.64	1.78	1429	13	145	165								
QKQ44CA	1/0 AWG AL	115	3	10 AWG	0.336	0.62	0.68	1.88	1619	14	165	185								
QKR44CA	2/0 AWG AL	115	3	8 AWG	0.379	0.66	0.72	1.98	1843	14	185	215								
QKS44CA	3/0 AWG AL	115	3	8 AWG	0.423	0.71	0.76	2.07	2038	15	210	245								
QKT44CA	4/0 AWG AL	115	3	8 AWG	0.479	0.76	0.82	2.19	2280	16	240	285								
QKU44CA	250 MCM AL	115	3	8 AWG	0.522	0.81	0.87	2.30	2504	17	265	315								
QKV44CA	350 MCM AL	115	3	7 AWG	0.622	0.91	0.97	2.54	3110	18	315	385								
QKW44CA	500 MCM AL	115	3	6 AWG	0.742	1.03	1.10	2.84	3937	20	385	475								
QKX44CA	750 MCM AL	115	3	5 AWG	0.917	1.21	1.29	3.25	5218	23	475	600								
QKY44CA	1000 MCM AL	115	3	4 AWG	1.071	1.37	1.44	3.59	6429	26	545	705								
<b>8kV 133% Aluminum Three Conductor AIA</b>																				
QLM44CA	2 AWG AL	140	3	10 AWG	0.266	0.60	0.66	1.82	1454	13	125	145								
QLO44CA	1 AWG AL	140	3	10 AWG	0.299	0.63	0.69	1.91	1619	14	145	165								
QLQ44CA	1/0 AWG AL	140	3	10 AWG	0.336	0.67	0.73	1.99	1764	14	165	185								
QLR44CA	2/0 AWG AL	140	3	8 AWG	0.379	0.71	0.77	2.08	1995	15	185	215								
QLS44CA	3/0 AWG AL	140	3	8 AWG	0.423	0.76	0.81	2.18	2196	16	210	245								
QLT44CA	4/0 AWG AL	140	3	8 AWG	0.479	0.81	0.87	2.30	2446	17	240	285								
QLU44CA	250 MCM AL	140	3	8 AWG	0.522	0.86	0.92	2.44	2745	18	265	315								
QLV44CA	350 MCM AL	140	3	7 AWG	0.622	0.96	1.02	2.65	3300	19	315	385								
QLW44CA	500 MCM AL	140	3	6 AWG	0.742	1.08	1.15	2.95	4146	21	385	475								
QLX44CA	750 MCM AL	140	3	5 AWG	0.917	1.26	1.34	3.36	5455	24	475	600								
QLY44CA	1000 MCM AL	140	3	4 AWG	1.071	1.42	1.49	3.69	6689	26	545	705								

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**Three Phase Operation**

In Duct (NEC Table 310-80): Three-conductor cable in plastic duct, direct-buried, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

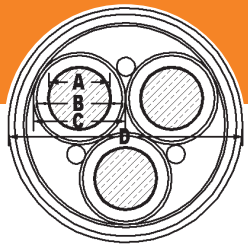
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15kV  
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Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)		Insulation Diameter (in.)		Insulation Shield Diameter (in.)		Overall Jacket Diameter (in.)		Cable Weight (lbs./ft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							‡105°C In Duct	‡105°C In Air					
<b>15kV 100% Copper Three Conductor AIA</b>																				
QM444CA	2 AWG CU	175	3	10 AWG	0.266	0.67	0.73	1.99	2126	14	160	185								
QM644CA	1 AWG CU	175	3	8 AWG	0.299	0.70	0.76	2.06	2358	15	185	210								
QM844CA	1/0 AWG CU	175	3	8 AWG	0.341	0.74	0.80	2.15	2663	16	210	240								
QM944CA	2/0 AWG CU	175	3	8 AWG	0.376	0.78	0.84	2.23	3060	16	235	275								
QMA44CA	3/0 AWG CU	175	3	7 AWG	0.423	0.83	0.88	2.33	3494	17	270	315								
QMB44CA	4/0 AWG CU	175	3	7 AWG	0.479	0.88	0.94	2.48	4097	18	305	360								
QMC44CA	250 MCM CU	175	3	7 AWG	0.522	0.93	0.99	2.59	4579	19	335	400								
QMD44CA	350 MCM CU	175	3	6 AWG	0.622	1.03	1.10	2.84	5864	20	400	490								
QME44CA	500 MCM CU	175	3	5 AWG	0.742	1.15	1.22	3.10	7615	22	485	600								
QMF44CA	750 MCM CU	175	3	4 AWG	0.917	1.33	1.41	3.51	10644	25	585	745								
QMG44CA	1000 MCM CU	175	3	4 AWG	1.071	1.49	1.58	3.88	13500	28	660	860								
<b>15kV 133% Copper Three Conductor AIA</b>																				
QN444CA	2 AWG CU	220	3	10 AWG	0.266	0.76	0.82	2.19	2406	16	160	185								
QN644CA	1 AWG CU	220	3	8 AWG	0.299	0.79	0.85	2.26	2647	16	185	210								
QN844CA	1/0 AWG CU	220	3	8 AWG	0.341	0.83	0.89	2.35	2962	17	210	240								
QN944CA	2/0 AWG CU	220	3	8 AWG	0.376	0.87	0.93	2.45	3437	18	235	275								
QNA44CA	3/0 AWG CU	220	3	7 AWG	0.423	0.92	0.97	2.55	3886	18	270	315								
QNB44CA	4/0 AWG CU	220	3	7 AWG	0.479	0.97	1.03	2.68	4437	19	305	360								
QNC44CA	250 MCM CU	220	3	7 AWG	0.522	1.02	1.09	2.82	4998	20	335	400								
QND44CA	350 MCM CU	220	3	6 AWG	0.622	1.12	1.19	3.03	6247	22	400	490								
QNE44CA	500 MCM CU	220	3	5 AWG	0.742	1.24	1.31	3.31	8090	24	485	600								
QNF44CA	750 MCM CU	220	3	4 AWG	0.917	1.42	1.50	3.71	11107	26	585	745								
QNG44CA	1000 MCM CU	220	3	4 AWG	1.071	1.58	1.67	4.07	14006	29	660	860								

† 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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

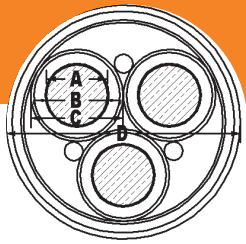
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in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

‡ EPRONEX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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./kft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							‡105°C In Duct	‡105°C In Air					
<b>15kV 100% Aluminum Three Conductor AIA</b>																				
QMM44CA	2 AWG AL	175	3	10 AWG	0.266	0.67	0.73	1.99	1706	14	125	145								
QMO44CA	1 AWG AL	175	3	10 AWG	0.299	0.70	0.76	2.06	1828	15	145	165								
QM44CA	1/0 AWG AL	175	3	10 AWG	0.336	0.74	0.80	2.14	1980	15	165	185								
QMR44CA	2/0 AWG AL	175	3	8 AWG	0.379	0.78	0.84	2.24	2219	16	185	215								
QMS44CA	3/0 AWG AL	175	3	8 AWG	0.423	0.83	0.88	2.33	2430	17	210	245								
QMT44CA	4/0 AWG AL	175	3	8 AWG	0.479	0.88	0.94	2.48	2760	18	240	285								
QMU44CA	250 MCM AL	175	3	8 AWG	0.522	0.93	0.99	2.59	3003	19	265	315								
QMV44CA	350 MCM AL	175	3	7 AWG	0.622	1.03	1.10	2.84	3645	20	315	385								
QMW44CA	500 MCM AL	175	3	6 AWG	0.742	1.15	1.22	3.10	4451	22	385	475								
QMX44CA	750 MCM AL	175	3	5 AWG	0.917	1.33	1.41	3.51	5799	25	475	600								
QMY44CA	1000 MCM AL	175	3	4 AWG	1.071	1.49	1.58	3.88	7153	28	545	705								
<b>15kV 133% Aluminum Three Conductor AIA</b>																				
QNM44CA	2 AWG AL	220	3	10 AWG	0.266	0.76	0.82	2.19	1987	16	125	145								
QNO44CA	1 AWG AL	220	3	10 AWG	0.299	0.79	0.85	2.26	2116	16	145	165								
QNO44CA	1/0 AWG AL	220	3	10 AWG	0.336	0.83	0.89	2.34	2279	17	165	185								
QNR44CA	2/0 AWG AL	220	3	8 AWG	0.379	0.87	0.93	2.46	2597	18	185	215								
QNS44CA	3/0 AWG AL	220	3	8 AWG	0.423	0.92	0.97	2.55	2821	18	210	245								
QNT44CA	4/0 AWG AL	220	3	8 AWG	0.479	0.97	1.03	2.68	3100	19	240	285								
QNU44CA	250 MCM AL	220	3	8 AWG	0.522	1.02	1.09	2.82	3422	20	265	315								
QNV44CA	350 MCM AL	220	3	7 AWG	0.622	1.12	1.19	3.03	4027	22	315	385								
QNW44CA	500 MCM AL	220	3	6 AWG	0.742	1.24	1.31	3.31	4926	24	385	475								
QNX44CA	750 MCM AL	220	3	5 AWG	0.917	1.42	1.50	3.71	6262	26	475	600								
QNY44CA	1000 MCM AL	220	3	4 AWG	1.071	1.58	1.67	4.07	7659	29	545	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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

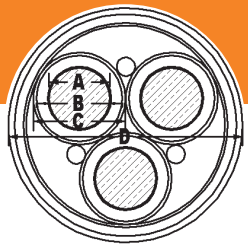
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in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

‡EPRONEX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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)							‡105°C In Duct	‡105°C In Air					
<b>25kV 100% Copper Three Conductor AIA</b>																				
QO644CA	1 AWG CU	260	3	8 AWG	0.299	0.87	0.93	2.46	2.99	3.06	3.13	3.20	2991	18	185	210				
QO844CA	1/0 AWG CU	260	3	8 AWG	0.341	0.91	0.97	2.55	3.19	3.26	3.33	3.40	3319	18	210	240				
QO944CA	2/0 AWG CU	260	3	8 AWG	0.376	0.95	1.01	2.63	3.35	3.42	3.49	3.56	3735	19	235	275				
QOA44CA	3/0 AWG CU	260	3	7 AWG	0.423	1.00	1.07	2.76	4.26	4.33	4.40	4.47	4260	20	270	315				
QOB44CA	4/0 AWG CU	260	3	7 AWG	0.479	1.05	1.13	2.88	4.87	4.94	5.01	5.08	4827	21	305	360				
QOC44CA	250 MCM CU	260	3	7 AWG	0.522	1.10	1.17	2.99	5.34	5.41	5.48	5.55	5334	21	335	400				
QOD44CA	350 MCM CU	260	3	6 AWG	0.622	1.20	1.27	3.22	6.66	6.73	6.80	6.87	6666	23	400	490				
QOE44CA	500 MCM CU	260	3	5 AWG	0.742	1.32	1.39	3.48	8.48	8.55	8.62	8.69	8480	25	485	600				
QOF44CA	750 MCM CU	260	3	4 AWG	0.917	1.50	1.59	3.91	11.628	11.696	11.764	11.832	11628	28	585	745				
<b>25kV 133% Copper Three Conductor AIA</b>																				
QQ844CA	1/0 AWG CU	345	3	8 AWG	0.341	1.09	1.16	2.96	4.082	4.149	4.216	4.283	4082	21	210	240				
QQ944CA	2/0 AWG CU	345	3	8 AWG	0.376	1.12	1.20	3.04	4.517	4.584	4.651	4.718	4517	22	235	275				
QQA44CA	3/0 AWG CU	345	3	7 AWG	0.423	1.17	1.24	3.14	5.002	5.069	5.136	5.203	5002	22	270	315				
QQB44CA	4/0 AWG CU	345	3	7 AWG	0.479	1.23	1.30	3.28	5.658	5.725	5.792	5.859	5658	23	305	360				
QQC44CA	250 MCM CU	345	3	7 AWG	0.522	1.27	1.35	3.38	6.192	6.259	6.326	6.393	6192	24	335	400				
QQD44CA	350 MCM CU	345	3	6 AWG	0.622	1.37	1.45	3.60	7.516	7.583	7.650	7.717	7516	26	400	490				
QQE44CA	500 MCM CU	345	3	5 AWG	0.742	1.49	1.58	3.89	9.479	9.546	9.613	9.680	9479	28	485	600				

†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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

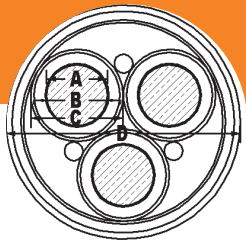
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in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

‡EPRONEX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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)							‡105°C In Duct	‡105°C In Air					
<b>25kV 100% Aluminum Three Conductor AIA</b>																				
QO044CA	1 AWG AL	260	3	10 AWG	0.299	0.87	0.93	2.46	2461	18	145	165								
QOQ44CA	1/0 AWG AL	260	3	10 AWG	0.336	0.91	0.97	2.54	2634	18	165	185								
QOR44CA	2/0 AWG AL	260	3	8 AWG	0.379	0.95	1.01	2.63	2896	19	185	215								
QOS44CA	3/0 AWG AL	260	3	8 AWG	0.423	1.00	1.07	2.76	3196	20	210	245								
QOT44CA	4/0 AWG AL	260	3	8 AWG	0.479	1.05	1.13	2.88	3489	21	240	285								
QOU44CA	250 MCM AL	260	3	8 AWG	0.522	1.10	1.17	2.99	3759	21	265	315								
QOV44CA	350 MCM AL	260	3	7 AWG	0.622	1.20	1.27	3.22	4447	23	315	385								
QOW44CA	500 MCM AL	260	3	6 AWG	0.742	1.32	1.39	3.48	5316	25	385	475								
QOX44CA	750 MCM AL	260	3	5 AWG	0.917	1.50	1.59	3.91	6783	28	475	600								
<b>25kV 133% Aluminum Three Conductor AIA</b>																				
QQQ44CA	1/0 AWG AL	345	3	10 AWG	0.336	1.08	1.16	2.95	3395	21	165	185								
QQR44CA	2/0 AWG AL	345	3	8 AWG	0.379	1.13	1.20	3.04	3680	22	185	215								
QQS44CA	3/0 AWG AL	345	3	8 AWG	0.423	1.17	1.24	3.14	3938	22	210	245								
QQT44CA	4/0 AWG AL	345	3	8 AWG	0.479	1.23	1.30	3.28	4321	23	240	285								
QQU44CA	250 MCM AL	345	3	8 AWG	0.522	1.27	1.35	3.38	4616	24	265	315								
QQV44CA	350 MCM AL	345	3	7 AWG	0.622	1.37	1.45	3.60	5297	26	315	385								
QQW44CA	500 MCM AL	345	3	6 AWG	0.742	1.49	1.58	3.89	6315	28	385	475								

†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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

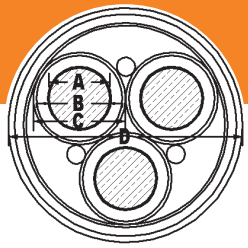
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in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

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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)							‡105°C In Duct	‡105°C In Air					
<b>35kV 100% Copper Three Conductor AIA</b>																				
QQ844CA	1/0 AWG CU	345	3	8 AWG	0.341	1.09	1.16	2.96	4082	21			210	240						
QQ944CA	2/0 AWG CU	345	3	8 AWG	0.376	1.12	1.20	3.04	4517	22			235	275						
QQA44CA	3/0 AWG CU	345	3	7 AWG	0.423	1.17	1.24	3.14	5002	22			270	315						
QQB44CA	4/0 AWG CU	345	3	7 AWG	0.479	1.23	1.30	3.28	5658	23			305	360						
QQC44CA	250 MCM CU	345	3	7 AWG	0.522	1.27	1.35	3.38	6192	24			335	400						
QQD44CA	350 MCM CU	345	3	6 AWG	0.622	1.37	1.45	3.60	7516	26			400	490						
QQE44CA	500 MCM CU	345	3	5 AWG	0.742	1.49	1.58	3.89	9479	28			485	600						
<b>35kV 133% Copper Three Conductor AIA</b>																				
QR844CA	1/0 AWG CU	420	3	8 AWG	0.341	1.24	1.31	3.30	4818	24			210	240						
QR944CA	2/0 AWG CU	420	3	8 AWG	0.376	1.27	1.35	3.38	5269	24			235	275						
QRA44CA	3/0 AWG CU	420	3	7 AWG	0.423	1.32	1.39	3.48	5776	25			270	315						
QRB44CA	4/0 AWG CU	420	3	7 AWG	0.479	1.38	1.45	3.60	6397	26			305	360						
QRC44CA	250 MCM CU	420	3	7 AWG	0.522	1.42	1.50	3.71	6951	26			335	400						
QRD44CA	350 MCM CU	420	3	6 AWG	0.622	1.52	1.61	3.96	8409	28			400	490						

†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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

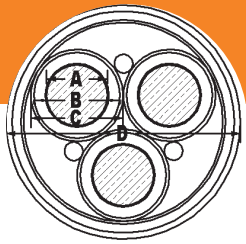
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in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

‡EPRONEX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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)							‡105°C In Duct	‡105°C In Air					
<b>35kV 100% Aluminum Three Conductor AIA</b>																				
QQQ44CA	1/0 AWG AL	345	3	10 AWG	0.336	1.08	1.16	2.95	3395	21	165	185								
QQR44CA	2/0 AWG AL	345	3	8 AWG	0.379	1.13	1.20	3.04	3680	22	185	215								
QQS44CA	3/0 AWG AL	345	3	8 AWG	0.423	1.17	1.24	3.14	3938	22	210	245								
QQT44CA	4/0 AWG AL	345	3	8 AWG	0.479	1.23	1.30	3.28	4321	23	240	285								
QQU44CA	250 MCM AL	345	3	8 AWG	0.522	1.27	1.35	3.38	4616	24	265	315								
QQV44CA	350 MCM AL	345	3	7 AWG	0.622	1.37	1.45	3.60	5297	26	315	385								
QQW44CA	500 MCM AL	345	3	6 AWG	0.742	1.49	1.58	3.89	6315	28	385	475								
<b>35kV 133% Aluminum Three Conductor AIA</b>																				
QRQ44CA	1/0 AWG AL	420	3	10 AWG	0.336	1.23	1.31	3.29	4128	24	165	185								
QRR44CA	2/0 AWG AL	420	3	8 AWG	0.379	1.28	1.35	3.39	4433	24	185	215								
QRS44CA	3/0 AWG AL	420	3	8 AWG	0.423	1.32	1.39	3.48	4712	25	210	245								
QRT44CA	4/0 AWG AL	420	3	8 AWG	0.479	1.38	1.45	3.60	5059	26	240	285								
QRU44CA	250 MCM AL	420	3	8 AWG	0.522	1.42	1.50	3.71	5375	26	265	315								
QRV44CA	350 MCM AL	420	3	7 AWG	0.622	1.52	1.61	3.96	6190	28	315	385								

†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 310-80): Three-conductor cable in plastic duct, direct-buried, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

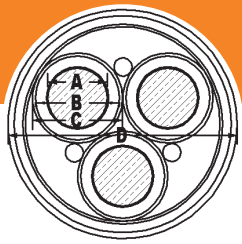
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in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

‡EPRONEX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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/1000')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							‡105°C In Duct	‡105°C In Air					
<b>5kV 100% Copper Three Conductor GSIA</b>																				
QJ246CA	4 AWG CU	90	3	10 AWG	0.215	0.45	0.51	1.45	1505	11	110	115								
QJ446CA	2 AWG CU	90	3	10 AWG	0.266	0.50	0.56	1.56	1847	11	145	154								
QJ646CA	1 AWG CU	90	3	8 AWG	0.299	0.53	0.59	1.66	2105	12	165	180								
QJ846CA	1/0 AWG CU	90	3	8 AWG	0.341	0.57	0.63	1.75	2404	13	190	205								
QJ946CA	2/0 AWG CU	90	3	8 AWG	0.376	0.61	0.67	1.85	2944	13	220	240								
QJA46CA	3/0 AWG CU	90	3	7 AWG	0.423	0.66	0.71	1.95	3381	14	250	280								
QJB46CA	4/0 AWG CU	90	3	7 AWG	0.479	0.71	0.77	2.07	3918	15	285	320								
QJC46CA	250 MCM CU	90	3	7 AWG	0.522	0.76	0.82	2.18	4400	16	315	355								
QJD46CA	350 MCM CU	90	3	6 AWG	0.622	0.86	0.92	2.43	5687	17	380	440								
QJE46CA	500 MCM CU	90	3	5 AWG	0.742	0.98	1.05	2.72	7513	20	460	545								
QJF46CA	750 MCM CU	90	3	4 AWG	0.917	1.16	1.24	3.13	10545	22	570	685								
QJG46CA	1000 MCM CU	90	3	4 AWG	1.071	1.32	1.39	3.47	13322	25	645	790								
<b>5kV 133% Copper Three Conductor GSIA</b>																				
QK246CA	4 AWG CU	115	3	10 AWG	0.215	0.50	0.56	1.56	1643	11	110	115								
QK446CA	2 AWG CU	115	3	10 AWG	0.266	0.55	0.61	1.69	2023	12	145	154								
QK646CA	1 AWG CU	115	3	8 AWG	0.299	0.58	0.64	1.76	2256	13	165	180								
QK846CA	1/0 AWG CU	115	3	8 AWG	0.341	0.62	0.68	1.88	2711	14	190	205								
QK946CA	2/0 AWG CU	115	3	8 AWG	0.376	0.66	0.72	1.96	3115	14	220	240								
QKA46CA	3/0 AWG CU	115	3	7 AWG	0.423	0.71	0.76	2.06	3559	15	250	280								
QKB46CA	4/0 AWG CU	115	3	7 AWG	0.479	0.76	0.82	2.18	4104	16	285	320								
QKC46CA	250 MCM CU	115	3	7 AWG	0.522	0.81	0.87	2.29	4593	17	315	355								
QKD46CA	350 MCM CU	115	3	6 AWG	0.622	0.91	0.97	2.53	5897	18	380	440								
QKE46CA	500 MCM CU	115	3	5 AWG	0.742	1.03	1.10	2.83	7742	20	460	545								
QKF46CA	750 MCM CU	115	3	4 AWG	0.917	1.21	1.29	3.24	10803	23	570	685								
QKG46CA	1000 MCM CU	115	3	4 AWG	1.071	1.37	1.44	3.58	13601	26	645	790								

†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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

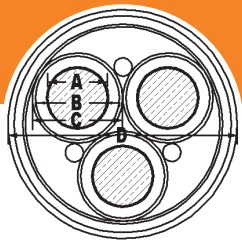
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in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

‡EPRONEX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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)							‡105°C In Duct	‡105°C In Air					
<b>5kV 100% Aluminum Three Conductor GSIA</b>																				
QJK46CA	4 AWG AL	90	3	10 AWG	0.215	0.45	0.51	1.45	1241	11	86	90								
QJM46CA	2 AWG AL	90	3	10 AWG	0.266	0.50	0.56	1.56	1427	11	110	120								
QJO46CA	1 AWG AL	90	3	10 AWG	0.299	0.53	0.59	1.66	1574	12	130	140								
QJQ46CA	1/0 AWG AL	90	3	10 AWG	0.336	0.57	0.63	1.73	1723	13	150	160								
QJR46CA	2/0 AWG AL	90	3	8 AWG	0.379	0.61	0.67	1.86	2103	14	170	185								
QJS46CA	3/0 AWG AL	90	3	8 AWG	0.423	0.66	0.71	1.95	2316	14	195	215								
QJT46CA	4/0 AWG AL	90	3	8 AWG	0.479	0.71	0.77	2.07	2581	15	220	250								
QJU46CA	250 MCM AL	90	3	8 AWG	0.522	0.76	0.82	2.18	2824	16	245	280								
QJV46CA	350 MCM AL	90	3	7 AWG	0.622	0.86	0.92	2.43	3467	17	310	345								
QJW46CA	500 MCM AL	90	3	6 AWG	0.742	0.98	1.05	2.72	4349	20	365	430								
QJX46CA	750 MCM AL	90	3	5 AWG	0.917	1.16	1.24	3.13	5701	22	460	550								
QJY46CA	1000 MCM AL	90	3	4 AWG	1.071	1.32	1.39	3.47	6975	25	535	650								
<b>5kV 133% Aluminum Three Conductor GSIA</b>																				
QKK46CA	4 AWG AL	115	3	10 AWG	0.215	0.50	0.56	1.56	1379	11	86	90								
QKM46CA	2 AWG AL	115	3	10 AWG	0.266	0.55	0.61	1.69	1604	12	110	120								
QKO46CA	1 AWG AL	115	3	10 AWG	0.299	0.58	0.64	1.76	1726	13	130	140								
QKQ46CA	1/0 AWG AL	115	3	10 AWG	0.336	0.62	0.68	1.87	2028	14	150	160								
QKR46CA	2/0 AWG AL	115	3	8 AWG	0.379	0.66	0.72	1.97	2275	14	170	185								
QKS46CA	3/0 AWG AL	115	3	8 AWG	0.423	0.71	0.76	2.06	2495	15	195	215								
QKT46CA	4/0 AWG AL	115	3	8 AWG	0.479	0.76	0.82	2.18	2767	16	220	250								
QKU46CA	250 MCM AL	115	3	8 AWG	0.522	0.81	0.87	2.29	3017	17	245	280								
QKV46CA	350 MCM AL	115	3	7 AWG	0.622	0.91	0.97	2.53	3678	18	310	345								
QKW46CA	500 MCM AL	115	3	6 AWG	0.742	1.03	1.10	2.83	4578	20	365	430								
QKX46CA	750 MCM AL	115	3	5 AWG	0.917	1.21	1.29	3.24	5959	23	460	550								
QKY46CA	1000 MCM AL	115	3	4 AWG	1.071	1.37	1.44	3.58	7254	26	535	650								

†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 310-80): Three-conductor cable in plastic duct, direct-buried, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

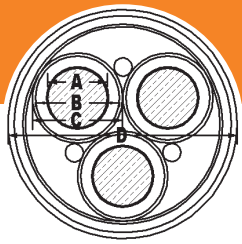
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in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

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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)							‡105°C In Duct	‡105°C In Air					
<b>8kV 100% Copper Three Conductor GSIA</b>																				
QK246CA	4 AWG CU	115	3	10 AWG	0.215	0.50	0.56	1.56	1643	11	125	135								
QK446CA	2 AWG CU	115	3	10 AWG	0.266	0.55	0.61	1.69	2023	12	160	185								
QK646CA	1 AWG CU	115	3	8 AWG	0.299	0.58	0.64	1.76	2256	13	185	210								
QK846CA	1/0 AWG CU	115	3	8 AWG	0.341	0.62	0.68	1.88	2711	14	210	240								
QK946CA	2/0 AWG CU	115	3	8 AWG	0.376	0.66	0.72	1.96	3115	14	235	275								
QKA46CA	3/0 AWG CU	115	3	7 AWG	0.423	0.71	0.76	2.06	3559	15	270	315								
QKB46CA	4/0 AWG CU	115	3	7 AWG	0.479	0.76	0.82	2.18	4104	16	305	360								
QKC46CA	250 MCM CU	115	3	7 AWG	0.522	0.81	0.87	2.29	4593	17	335	400								
QKD46CA	350 MCM CU	115	3	6 AWG	0.622	0.91	0.97	2.53	5897	18	400	490								
QKE46CA	500 MCM CU	115	3	5 AWG	0.742	1.03	1.10	2.83	7742	20	485	600								
QKF46CA	750 MCM CU	115	3	4 AWG	0.917	1.21	1.29	3.24	10803	23	585	745								
QKG46CA	1000 MCM CU	115	3	4 AWG	1.071	1.37	1.44	3.58	13601	26	660	860								
<b>8kV 133% Copper Three Conductor GSIA</b>																				
QL446CA	2 AWG CU	140	3	10 AWG	0.266	0.60	0.66	1.80	2177	13	160	185								
QL646CA	1 AWG CU	140	3	8 AWG	0.299	0.63	0.69	1.90	2565	14	185	210								
QL846CA	1/0 AWG CU	140	3	8 AWG	0.341	0.67	0.73	1.99	2885	14	210	240								
QL946CA	2/0 AWG CU	140	3	8 AWG	0.376	0.71	0.77	2.07	3294	15	235	275								
QLA46CA	3/0 AWG CU	140	3	7 AWG	0.423	0.76	0.81	2.17	3744	16	270	315								
QLB46CA	4/0 AWG CU	140	3	7 AWG	0.479	0.81	0.87	2.29	4298	17	305	360								
QLC46CA	250 MCM CU	140	3	7 AWG	0.522	0.86	0.92	2.43	4861	17	335	400								
QLD46CA	350 MCM CU	140	3	6 AWG	0.622	0.96	1.02	2.64	6114	19	400	490								
QLE46CA	500 MCM CU	140	3	5 AWG	0.742	1.08	1.15	2.94	7979	21	485	600								
QLF46CA	750 MCM CU	140	3	4 AWG	0.917	1.26	1.34	3.35	11068	24	585	745								
QLG46CA	1000 MCM CU	140	3	4 AWG	1.071	1.42	1.49	3.68	13887	26	660	860								

†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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

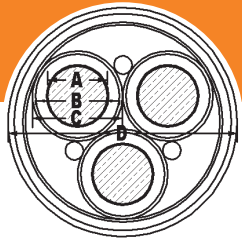
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in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

‡EPRONEX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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/1000')		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							‡105°C In Duct	‡105°C In Air					
<b>8kV 100% Aluminum Three Conductor GSIA</b>																				
QKK46CA	4 AWG AL	115	3	10 AWG	0.215	0.50	0.56	1.56	1379	11	96	105								
QKM46CA	2 AWG AL	115	3	10 AWG	0.266	0.55	0.61	1.69	1604	12	125	145								
QKO46CA	1 AWG AL	115	3	10 AWG	0.299	0.58	0.64	1.76	1726	13	145	165								
QKQ46CA	1/0 AWG AL	115	3	10 AWG	0.336	0.62	0.68	1.87	2028	14	165	185								
QKR46CA	2/0 AWG AL	115	3	8 AWG	0.379	0.66	0.72	1.97	2275	14	185	215								
QKS46CA	3/0 AWG AL	115	3	8 AWG	0.423	0.71	0.76	2.06	2495	15	210	245								
QKT46CA	4/0 AWG AL	115	3	8 AWG	0.479	0.76	0.82	2.18	2767	16	240	285								
QKU46CA	250 MCM AL	115	3	8 AWG	0.522	0.81	0.87	2.29	3017	17	265	315								
QKV46CA	350 MCM AL	115	3	7 AWG	0.622	0.91	0.97	2.53	3678	18	315	385								
QKW46CA	500 MCM AL	115	3	6 AWG	0.742	1.03	1.10	2.83	4578	20	385	475								
QKX46CA	750 MCM AL	115	3	5 AWG	0.917	1.21	1.29	3.24	5959	23	475	600								
QKY46CA	1000 MCM AL	115	3	4 AWG	1.071	1.37	1.44	3.58	7254	26	545	705								
<b>8kV 133% Aluminum Three Conductor GSIA</b>																				
QLM46CA	2 AWG AL	140	3	10 AWG	0.266	0.60	0.66	1.80	1758	13	125	145								
QLO46CA	1 AWG AL	140	3	10 AWG	0.299	0.63	0.69	1.90	2035	14	145	165								
QLQ46CA	1/0 AWG AL	140	3	10 AWG	0.336	0.67	0.73	1.98	2201	14	165	185								
QLR46CA	2/0 AWG AL	140	3	8 AWG	0.379	0.71	0.77	2.07	2454	15	185	215								
QLS46CA	3/0 AWG AL	140	3	8 AWG	0.423	0.76	0.81	2.17	2680	16	210	245								
QLT46CA	4/0 AWG AL	140	3	8 AWG	0.479	0.81	0.87	2.29	2960	17	240	285								
QLU46CA	250 MCM AL	140	3	8 AWG	0.522	0.86	0.92	2.43	3286	17	265	315								
QLV46CA	350 MCM AL	140	3	7 AWG	0.622	0.96	1.02	2.64	3895	19	315	385								
QLW46CA	500 MCM AL	140	3	6 AWG	0.742	1.08	1.15	2.94	4815	21	385	475								
QLX46CA	750 MCM AL	140	3	5 AWG	0.917	1.26	1.34	3.35	6223	24	475	600								
QLY46CA	1000 MCM AL	140	3	4 AWG	1.071	1.42	1.49	3.68	7541	26	545	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 310-80): Three-conductor cable in plastic duct, direct-buried, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

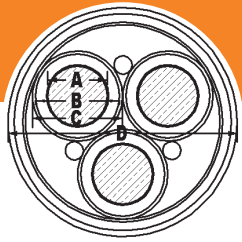
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in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

‡EPRONEX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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)							‡105°C In Duct	‡105°C In Air					
<b>15kV 100% Copper Three Conductor GSIA</b>																				
QM446CA	2 AWG CU	175	3	10 AWG	0.266	0.67	0.73	1.98	2562	14	160	185								
QM646CA	1 AWG CU	175	3	8 AWG	0.299	0.70	0.76	2.05	2812	15	185	210								
QM846CA	1/0 AWG CU	175	3	8 AWG	0.341	0.74	0.80	2.14	3140	16	210	240								
QM946CA	2/0 AWG CU	175	3	8 AWG	0.376	0.78	0.84	2.22	3556	16	235	275								
QMA46CA	3/0 AWG CU	175	3	7 AWG	0.423	0.83	0.88	2.32	4015	17	270	315								
QMB46CA	4/0 AWG CU	175	3	7 AWG	0.479	0.88	0.94	2.47	4649	18	305	360								
QMC46CA	250 MCM CU	175	3	7 AWG	0.522	0.93	0.99	2.58	5158	19	335	400								
QMD46CA	350 MCM CU	175	3	6 AWG	0.622	1.03	1.10	2.83	6506	20	400	490								
QME46CA	500 MCM CU	175	3	5 AWG	0.742	1.15	1.22	3.09	8322	22	485	600								
QMF46CA	750 MCM CU	175	3	4 AWG	0.917	1.33	1.41	3.50	11450	25	585	745								
QMG46CA	1000 MCM CU	175	3	4 AWG	1.071	1.49	1.58	3.87	14398	28	660	860								
<b>15kV 133% Copper Three Conductor GSIA</b>																				
QN446CA	2 AWG CU	220	3	10 AWG	0.266	0.76	0.82	2.18	2892	16	160	185								
QN646CA	1 AWG CU	220	3	8 AWG	0.299	0.79	0.85	2.25	3150	16	185	210								
QN846CA	1/0 AWG CU	220	3	8 AWG	0.341	0.83	0.89	2.34	3488	17	210	240								
QN946CA	2/0 AWG CU	220	3	8 AWG	0.376	0.87	0.93	2.44	3982	18	235	275								
QNA46CA	3/0 AWG CU	220	3	7 AWG	0.423	0.92	0.97	2.54	4456	18	270	315								
QNB46CA	4/0 AWG CU	220	3	7 AWG	0.479	0.97	1.03	2.67	5038	19	305	360								
QNC46CA	250 MCM CU	220	3	7 AWG	0.522	1.02	1.09	2.81	5634	20	335	400								
QND46CA	350 MCM CU	220	3	6 AWG	0.622	1.12	1.19	3.02	6937	22	400	490								
QNE46CA	500 MCM CU	220	3	5 AWG	0.742	1.24	1.31	3.30	8846	24	485	600								
QNF46CA	750 MCM CU	220	3	4 AWG	0.917	1.42	1.50	3.70	11962	26	585	745								
QNG46CA	1000 MCM CU	220	3	4 AWG	1.071	1.58	1.67	4.06	14954	29	660	860								

†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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

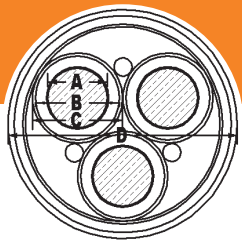
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in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

‡EPRONEX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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./kft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							‡105°C In Duct	‡105°C In Air					
<b>15kV 100% Aluminum Three Conductor GSIA</b>																				
QMM46CA	2 AWG AL	175	3	10 AWG	0.266	0.67	0.73	1.98	2143	14	125	145								
QMO46CA	1 AWG AL	175	3	10 AWG	0.299	0.70	0.76	2.05	2282	15	145	165								
QMQ46CA	1/0 AWG AL	175	3	10 AWG	0.336	0.74	0.80	2.13	2455	15	165	185								
QMR46CA	2/0 AWG AL	175	3	8 AWG	0.379	0.78	0.84	2.23	2717	16	185	215								
QMS46CA	3/0 AWG AL	175	3	8 AWG	0.423	0.83	0.88	2.32	2951	17	210	245								
QMT46CA	4/0 AWG AL	175	3	8 AWG	0.479	0.88	0.94	2.47	3312	18	240	285								
QMU46CA	250 MCM AL	175	3	8 AWG	0.522	0.93	0.99	2.58	3582	19	265	315								
QMV46CA	350 MCM AL	175	3	7 AWG	0.622	1.03	1.10	2.83	4287	20	315	385								
QMW46CA	500 MCM AL	175	3	6 AWG	0.742	1.15	1.22	3.09	5158	22	385	475								
QMX46CA	750 MCM AL	175	3	5 AWG	0.917	1.33	1.41	3.50	6606	25	475	600								
QMY46CA	1000 MCM AL	175	3	4 AWG	1.071	1.49	1.58	3.87	8052	28	545	705								
<b>15kV 133% Aluminum Three Conductor GSIA</b>																				
QNM46CA	2 AWG AL	220	3	10 AWG	0.266	0.76	0.82	2.18	2472	16	125	145								
QNO46CA	1 AWG AL	220	3	10 AWG	0.299	0.79	0.85	2.25	2620	16	145	165								
QNQ46CA	1/0 AWG AL	220	3	10 AWG	0.336	0.83	0.89	2.33	2802	17	165	185								
QNR46CA	2/0 AWG AL	220	3	8 AWG	0.379	0.87	0.93	2.45	3144	18	185	215								
QNS46CA	3/0 AWG AL	220	3	8 AWG	0.423	0.92	0.97	2.54	3392	18	210	245								
QNT46CA	4/0 AWG AL	220	3	8 AWG	0.479	0.97	1.03	2.67	3701	19	240	285								
QNU46CA	250 MCM AL	220	3	8 AWG	0.522	1.02	1.09	2.81	4059	20	265	315								
QNV46CA	350 MCM AL	220	3	7 AWG	0.622	1.12	1.19	3.02	4718	22	315	385								
QNW46CA	500 MCM AL	220	3	6 AWG	0.742	1.24	1.31	3.30	5682	24	385	475								
QNX46CA	750 MCM AL	220	3	5 AWG	0.917	1.42	1.50	3.70	7117	26	475	600								
QNY46CA	1000 MCM AL	220	3	4 AWG	1.071	1.58	1.67	4.06	8607	29	545	705								

†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, 105°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, 105°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.

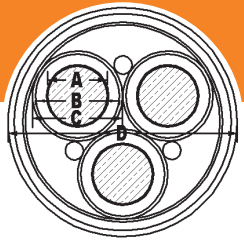
‡EPRONEX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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# 3/C EPR MC MV-105 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/100ft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							‡105°C In Duct	‡105°C In Air					
<b>25kV 100% Copper Three Conductor GSIA</b>																				
QO646CA	1 AWG CU	260	3	8 AWG	0.299	0.87	0.93	2.45	3538	18	185	210								
QO846CA	1/0 AWG CU	260	3	8 AWG	0.341	0.91	0.97	2.54	3888	18	210	240								
QO946CA	2/0 AWG CU	260	3	8 AWG	0.376	0.95	1.01	2.62	4323	19	235	275								
QOA46CA	3/0 AWG CU	260	3	7 AWG	0.423	1.00	1.07	2.75	4882	20	270	315								
QOB46CA	4/0 AWG CU	260	3	7 AWG	0.479	1.05	1.13	2.87	5480	21	305	360								
QOC46CA	250 MCM CU	260	3	7 AWG	0.522	1.10	1.17	2.98	6014	21	335	400								
QOD46CA	350 MCM CU	260	3	6 AWG	0.622	1.20	1.27	3.21	7400	23	400	490								
QOE46CA	500 MCM CU	260	3	5 AWG	0.742	1.32	1.39	3.47	9279	25	485	600								
QOF46CA	750 MCM CU	260	3	4 AWG	0.917	1.50	1.59	3.90	12535	28	585	745								
<b>25kV 133% Copper Three Conductor GSIA</b>																				
QQ846CA	1/0 AWG CU	345	3	8 AWG	0.341	1.09	1.16	2.95	4755	21	210	240								
QQ946CA	2/0 AWG CU	345	3	8 AWG	0.376	1.12	1.20	3.03	5209	22	235	275								
QQA46CA	3/0 AWG CU	345	3	7 AWG	0.423	1.17	1.24	3.13	5719	22	270	315								
QQB46CA	4/0 AWG CU	345	3	7 AWG	0.479	1.23	1.30	3.27	6406	23	305	360								
QQC46CA	250 MCM CU	345	3	7 AWG	0.522	1.27	1.35	3.37	6966	24	335	400								
QQD46CA	350 MCM CU	345	3	6 AWG	0.622	1.37	1.45	3.59	8345	26	400	490								
QQE46CA	500 MCM CU	345	3	5 AWG	0.742	1.49	1.58	3.88	10381	28	485	600								

†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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

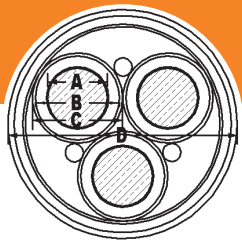
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in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

‡EPROTENAX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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./kft)		Minimum Bending Radius (in.)		† Ampacity (Amps)		
		No.	Size	(A)	(B)	(C)	(D)							‡105°C In Duct	‡105°C In Air					
<b>25kV 100% Aluminum Three Conductor GSIA</b>																				
QOQ46CA	1 AWG AL	260	3	10 AWG	0.299	0.87	0.93	2.45	3008	18	145	165								
QQQ46CA	1/0 AWG AL	260	3	10 AWG	0.336	0.91	0.97	2.53	3201	18	165	185								
QQR46CA	2/0 AWG AL	260	3	8 AWG	0.379	0.95	1.01	2.62	3486	19	185	215								
QQS46CA	3/0 AWG AL	260	3	8 AWG	0.423	1.00	1.07	2.75	3818	20	210	245								
QQT46CA	4/0 AWG AL	260	3	8 AWG	0.479	1.05	1.13	2.87	4142	21	240	285								
QOU46CA	250 MCM AL	260	3	8 AWG	0.522	1.10	1.17	2.98	4438	21	265	315								
QOV46CA	350 MCM AL	260	3	7 AWG	0.622	1.20	1.27	3.21	5181	23	315	385								
QOW46CA	500 MCM AL	260	3	6 AWG	0.742	1.32	1.39	3.47	6115	25	385	475								
QOX46CA	750 MCM AL	260	3	5 AWG	0.917	1.50	1.59	3.90	7691	28	475	600								
<b>25kV 133% Aluminum Three Conductor GSIA</b>																				
QQQ46CA	1/0 AWG AL	345	3	10 AWG	0.336	1.08	1.16	2.94	4065	21	165	185								
QQR46CA	2/0 AWG AL	345	3	8 AWG	0.379	1.13	1.20	3.03	4373	22	185	215								
QQS46CA	3/0 AWG AL	345	3	8 AWG	0.423	1.17	1.24	3.13	4655	22	210	245								
QQT46CA	4/0 AWG AL	345	3	8 AWG	0.479	1.23	1.30	3.27	5068	23	240	285								
QQU46CA	250 MCM AL	345	3	8 AWG	0.522	1.27	1.35	3.37	5390	24	265	315								
QQV46CA	350 MCM AL	345	3	7 AWG	0.622	1.37	1.45	3.59	6125	26	315	385								
QQW46CA	500 MCM AL	345	3	6 AWG	0.742	1.49	1.58	3.88	7217	28	385	475								

†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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

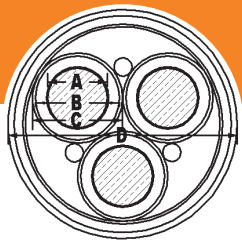
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-72 (Aluminum), "Isolated in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

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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)							‡105°C In Duct	‡105°C In Air					
<b>35kV 100% Copper Three Conductor GSIA</b>																				
QQ846CA	1/0 AWG CU	345	3	8 AWG	0.341	1.09	1.16	2.95	4755	21			210	240						
QQ946CA	2/0 AWG CU	345	3	8 AWG	0.376	1.12	1.20	3.03	5209	22			235	275						
QQA46CA	3/0 AWG CU	345	3	7 AWG	0.423	1.17	1.24	3.13	5719	22			270	315						
QQB46CA	4/0 AWG CU	345	3	7 AWG	0.479	1.23	1.30	3.27	6406	23			305	360						
QQC46CA	250 MCM CU	345	3	7 AWG	0.522	1.27	1.35	3.37	6966	24			335	400						
QQD46CA	350 MCM CU	345	3	6 AWG	0.622	1.37	1.45	3.59	8345	26			400	490						
QQE46CA	500 MCM CU	345	3	5 AWG	0.742	1.49	1.58	3.88	10381	28			485	600						
<b>35kV 133% Copper Three Conductor GSIA</b>																				
QR846CA	1/0 AWG CU	420	3	8 AWG	0.341	1.24	1.31	3.29	5572	24			210	240						
QR946CA	2/0 AWG CU	420	3	8 AWG	0.376	1.27	1.35	3.37	6043	24			235	275						
QRA46CA	3/0 AWG CU	420	3	7 AWG	0.423	1.32	1.39	3.47	6575	25			270	315						
QRB46CA	4/0 AWG CU	420	3	7 AWG	0.479	1.38	1.45	3.59	7226	26			305	360						
QRC46CA	250 MCM CU	420	3	7 AWG	0.522	1.42	1.50	3.70	7807	26			335	400						
QRD46CA	350 MCM CU	420	3	6 AWG	0.622	1.52	1.61	3.95	9328	28			400	490						

†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, 105°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, 105°C conductor temperature, 40°C ambient temperature, and shields short-circuited.

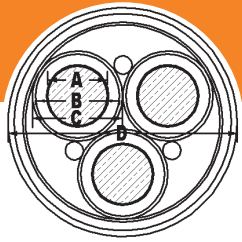
In Cable Tray: Per NEC Article 392-13, for multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310-71 (Copper), "Isolated in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

‡EPROTENAX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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# 3/C EPR MC MV-105 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)							‡105°C In Duct	‡105°C In Air					
<b>35kV 100% Aluminum Three Conductor GSIA</b>																				
QQQ46CA	1/0 AWG AL	345	3	10 AWG	0.336	1.08	1.16	2.94	4065	21	165	185								
QQR46CA	2/0 AWG AL	345	3	8 AWG	0.379	1.13	1.20	3.03	4373	22	185	215								
QQS46CA	3/0 AWG AL	345	3	8 AWG	0.423	1.17	1.24	3.13	4655	22	210	245								
QQT46CA	4/0 AWG AL	345	3	8 AWG	0.479	1.23	1.30	3.27	5068	23	240	285								
QQU46CA	250 MCM AL	345	3	8 AWG	0.522	1.27	1.35	3.37	5390	24	265	315								
QQV46CA	350 MCM AL	345	3	7 AWG	0.622	1.37	1.45	3.59	6125	26	315	385								
QQW46CA	500 MCM AL	345	3	6 AWG	0.742	1.49	1.58	3.88	7217	28	385	475								
<b>35kV 133% Aluminum Three Conductor GSIA</b>																				
QRQ46CA	1/0 AWG AL	420	3	10 AWG	0.336	1.23	1.31	3.28	4880	23	165	185								
QRR46CA	2/0 AWG AL	420	3	8 AWG	0.379	1.28	1.35	3.38	5208	24	185	215								
QRS46CA	3/0 AWG AL	420	3	8 AWG	0.423	1.32	1.39	3.47	5510	25	210	245								
QRT46CA	4/0 AWG AL	420	3	8 AWG	0.479	1.38	1.45	3.59	5888	26	240	285								
QRU46CA	250 MCM AL	420	3	8 AWG	0.522	1.42	1.50	3.70	6231	26	265	315								
QRV46CA	350 MCM AL	420	3	7 AWG	0.622	1.52	1.61	3.95	7109	28	315	385								

†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 310-80): Three-conductor cable in plastic duct, direct-buried, 105°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, 105°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.

‡EPRONEX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.



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