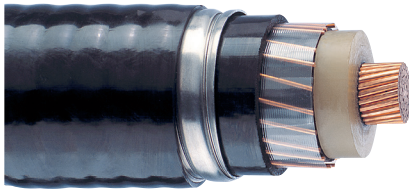


5-46kV 1/C TRXLPE ARMORTEK™

Medium Voltage Commercial & Industrial Cables



Applications

Single copper conductor with a semiconducting conductor shield, high dielectric strength VOLTALENE® TRXLPE insulation, semiconducting insulation shield, helically applied uncoated copper bonding conductor, binder tape, black inner PVC jacket, aluminum interlocking armour (AIA), and an overall PVC Jacket.

Specifications

CSA- CSA C22.2 No. 131

CSA- CSA C68.10

CSA- CSA C22.2 No. 174

IEEE- IEEE 383 Flame Test

IEEE- IEEE 1202 Flame Test

For 90°C continuous, 130°C emergency, 250°C short-circuit operation.

Options

- Super smooth conductor shield
- EPROTENAX® (EPR) insulation
- Colored outer jacket
- No outer jacket
- Aluminum phase conductor and bonding conductor
- Strandseal®
- AG14 Rating

Ratings

FT4

-40°C

Sunlight Resistant

HL

Design Parameters

CONDUCTOR: Soft drawn, bare, Class B compact or compressed stranded copper conductors 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 tree-retardant crosslinked polyethylene (TRXLPE) VOLTALENE® 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.

BONDING CONDUCTOR: Helically applied soft drawn, bare copper wires covered with a binder tape.

INNER JACKET: Sunlight resistant polyvinyl chloride (PVC) jacket tightly applied over the binder tape.

ARMOUR: Flexible aluminum interlocking armour (AIA) applied over the inner jacket for mechanical protection.

OUTER JACKET: Low-temperature, sunlight-resistant polyvinyl chloride (PVC) jacket applied over the armour.

Installation



In Cable Tray



Direct Buried



Isolated in Air



Dry Locations



Conduit in Air



Underground Duct



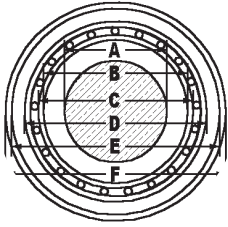
Wet Locations



Industrial

5kV 1/C TRXLPE ARMORTEK™

100% Medium Voltage Commercial & Industrial Cables



Product Number	Conductor	Insulation Thickness (milis)	Conductor Diameter (mm)	Insulation Diameter (mm)	Insulation Shield Diameter (mm)	Inner Jacket Diameter (mm)	Armour Diameter (mm)	Overall Jacket Diameter (mm)	Cable Weight (kg/km)	Equivalent Bonding Conductor Size	Minimum Bending Radius (mm)	†Ampacity (Amps)
		(A)	(B)	(C)	(D)	(E)	(F)					90°C
5kV 100% Copper Single Conductor												
Q4160ZC	6 AWG CU	90	4.30	10.05	11.93	16.33	21.41	23.70	634	8 AWG CU	284	100
Q4260ZC	4 AWG CU	90	5.41	11.20	13.08	18.19	23.27	25.61	824	6 AWG CU	307	145
Q4460ZC	2 AWG CU	90	6.81	12.59	14.47	19.59	25.18	27.51	1047	6 AWG CU	330	190
Q4660ZC	1 AWG CU	90	7.59	13.38	15.26	20.38	25.96	28.30	1223	4 AWG CU	340	225
Q4860ZC	1/0 AWG CU	90	8.59	14.37	16.25	21.37	26.95	29.29	1357	4 AWG CU	351	260
Q4960ZC	2/0 AWG CU	90	9.60	15.39	17.27	22.38	27.97	30.31	1517	4 AWG CU	364	300
Q4A60ZC	3/0 AWG CU	90	10.82	16.61	18.49	24.13	29.72	32.06	1785	3 AWG CU	385	345
Q4B60ZC	4/0 AWG CU	90	12.14	17.93	19.81	26.22	31.80	34.14	2085	3 AWG CU	410	400
Q4C60ZC	250 MCM CU	90	13.28	19.27	21.15	27.56	33.15	35.48	2374	2 AWG CU	426	445
Q4D60ZC	350 MCM CU	90	15.72	21.71	23.59	30.67	36.26	38.60	3025	1 AWG CU	463	550
Q4E60ZC	500 MCM CU	90	18.77	24.76	26.64	33.72	39.31	42.10	3960	1/0 AWG CU	505	695
Q4F60XC	750 MCM CU	90	24.59	30.77	33.11	41.07	47.42	50.21	5717	2/0 AWG CU	603	900
Q4G60XC	1000 MCM CU	90	28.37	34.56	36.90	44.85	51.20	54.00	7028	2/0 AWG CU	648	1075

PRODUCT NOTES:

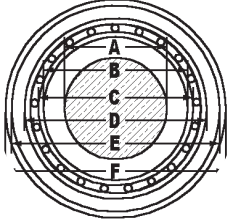
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†Ampacities are based on the following:

2011 NEC - Table 310.60(C)(69) Ampacities of Insulated Single Copper Conductor Isolated in Air Based on Conductor Temperatures of 90°C (194°F) and Ambient Air Temperature of 40°C (104°F) with the shields grounded at one point only.

5kV/8kV/8kV₁/C TRXLPE ARMORTEK™

133%/100%/133% Medium Voltage Commercial & Industrial Cables



Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (mm)	Insulation Diameter (mm)	Insulation Shield Diameter (mm)	Inner Jacket Diameter (mm)	Armour Diameter (mm)	Overall Jacket Diameter (mm)	Cable Weight (kg/km)	Equivalent Bonding Conductor Size	Minimum Bending Radius (mm)	†Ampacity (Amps)
		(A)	(B)	(C)	(D)	(E)	(F)					90°C
5kV133%/8kV 100% Copper Single Conductor												
Q5260ZC	4 AWG CU	115	5.41	12.42	14.30	20.13	25.72	28.06	976	6 AWG CU	337	150
Q5460ZC	2 AWG CU	115	6.81	13.81	15.69	22.53	28.12	30.45	1203	6 AWG CU	365	195
Q5660ZC	1 AWG CU	115	7.59	14.60	16.48	23.32	28.90	31.24	1382	4 AWG CU	375	225
Q5860ZC	1/0 AWG CU	115	8.59	15.59	17.47	24.31	29.89	32.23	1521	4 AWG CU	387	260
Q5960ZC	2/0 AWG CU	115	9.60	16.61	18.49	25.32	30.91	33.25	1686	4 AWG CU	399	300
Q5A60ZC	3/0 AWG CU	115	10.82	17.83	19.71	27.07	32.66	35.00	1962	3 AWG CU	420	345
Q5B60ZC	4/0 AWG CU	115	12.14	19.15	21.03	28.40	33.98	36.32	2214	3 AWG CU	436	400
Q5C60ZC	250 MCM CU	115	13.28	20.55	22.43	29.80	35.39	37.72	2511	2 AWG CU	453	445
Q5D60ZC	350 MCM CU	115	15.72	22.99	24.87	32.91	38.50	41.29	3213	1 AWG CU	496	550
Q5E60ZC	500 MCM CU	115	18.77	26.04	28.37	36.42	42.01	44.80	4155	1/0 AWG CU	538	685
Q5F60XC	750 MCM CU	115	24.59	32.11	34.45	44.97	51.32	54.11	6091	2/0 AWG CU	649	885
Q5G60XC	1000 MCM CU	115	28.37	35.90	38.24	48.75	55.10	57.90	7427	2/0 AWG CU	695	1060
8kV 133% Copper Single Conductor												
Q6460ZC	2 AWG CU	140	6.81	15.09	16.97	23.81	29.40	31.73	1265	6 AWG CU	381	195
Q6660ZC	1 AWG CU	140	7.59	15.88	17.76	24.60	30.18	32.52	1446	4 AWG CU	390	225
Q6860ZC	1/0 AWG CU	140	8.59	16.87	18.75	25.59	31.17	33.51	1587	4 AWG CU	402	260
Q6960ZC	2/0 AWG CU	140	9.60	17.89	19.77	26.60	32.19	34.53	1754	4 AWG CU	414	300
Q6A60ZC	3/0 AWG CU	140	10.82	19.11	20.99	28.35	33.94	36.28	2033	3 AWG CU	435	345
Q6B60ZC	4/0 AWG CU	140	12.14	20.43	22.31	29.68	35.26	37.60	2286	3 AWG CU	451	400
Q6C60ZC	250 MCM CU	140	13.28	21.83	23.71	31.08	36.67	39.00	2586	2 AWG CU	468	445
Q6D60ZC	350 MCM CU	140	15.72	24.27	26.15	34.19	39.78	42.57	3294	1 AWG CU	511	550
Q6E60ZC	500 MCM CU	140	18.77	27.32	29.65	37.70	43.29	46.08	4243	1/0 AWG CU	553	685
Q6F60XC	750 MCM CU	140	24.59	33.39	35.73	46.25	52.60	55.39	6197	2/0 AWG CU	665	885
Q6G60XC	1000 MCM CU	140	28.37	37.18	39.52	50.03	56.38	59.18	7541	2/0 AWG CU	710	1060

PRODUCT NOTES:

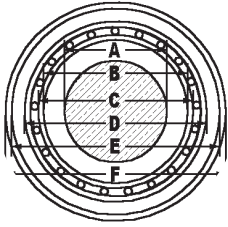
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†Ampacities are based on the following:

2011 NEC - Table 310.60(C)(69) Ampacities of Insulated Single Copper Conductor Isolated in Air Based on Conductor Temperatures of 90°C (194°F) and Ambient Air Temperature of 40°C (104°F) with the shields grounded at one point only.

15kV 1/C TRXLPE ARMORTEK™

100%/133% Medium Voltage Commercial & Industrial Cables



Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (mm)	Insulation Diameter (mm)	Insulation Shield Diameter (mm)	Inner Jacket Diameter (mm)	Armour Diameter (mm)	Overall Jacket Diameter (mm)	Cable Weight (kg/km)	Equivalent Bonding Conductor Size	Minimum Bending Radius (mm)	†Ampacity (Amps)
		(A)	(B)	(C)	(D)	(E)	(F)					90°C
15kV 100% Copper Single Conductor												
Q7460ZC	2 AWG CU	175	6.81	16.92	18.80	25.64	31.23	33.56	1359	6 AWG CU	403	195
Q7660ZC	1 AWG CU	175	7.59	17.71	19.59	26.43	32.01	34.35	1543	4 AWG CU	412	225
Q7860ZC	1/0 AWG CU	175	8.59	18.70	20.58	27.42	33.00	35.34	1686	4 AWG CU	260	225
Q7960ZC	2/0 AWG CU	175	9.60	19.72	21.60	28.43	34.02	36.36	1856	4 AWG CU	436	300
Q7A60ZC	3/0 AWG CU	175	10.82	20.94	22.82	30.19	35.77	38.11	2138	3 AWG CU	457	345
Q7B60ZC	4/0 AWG CU	175	12.14	22.26	24.14	31.51	37.09	39.43	2395	3 AWG CU	473	400
Q7C60ZC	250 MCM CU	175	13.28	23.66	25.54	32.91	38.50	41.29	2739	2 AWG CU	495	445
Q7D60ZC	350 MCM CU	175	15.72	26.10	28.44	36.48	42.07	44.86	3450	1 AWG CU	538	550
Q7E60ZC	500 MCM CU	175	18.77	29.15	31.48	39.53	45.88	48.67	4501	1/0 AWG CU	584	685
Q7F60XC	750 MCM CU	175	24.59	35.22	37.56	48.08	54.43	57.22	6355	2/0 AWG CU	687	885
Q7G60XC	1000 MCM CU	175	28.37	39.01	42.21	52.73	59.08	62.48	7885	2/0 AWG CU	750	1060
15kV 133% Copper Single Conductor												
Q8460ZC	2 AWG CU	220	6.81	19.26	21.13	27.97	33.56	35.89	1487	6 AWG CU	431	195
Q8660ZC	1 AWG CU	220	7.59	20.04	21.92	28.76	34.34	36.68	1673	4 AWG CU	440	225
Q8860ZC	1/0 AWG CU	220	8.59	21.03	22.91	29.75	35.34	37.67	1819	4 AWG CU	452	260
Q8960ZC	2/0 AWG CU	220	9.60	22.05	23.93	30.76	36.35	38.69	1992	4 AWG CU	464	300
Q8A60ZC	3/0 AWG CU	220	10.82	23.27	25.15	32.52	38.10	40.90	2319	3 AWG CU	491	345
Q8B60ZC	4/0 AWG CU	220	12.14	24.59	26.47	33.84	39.42	42.22	2582	3 AWG CU	507	400
Q8C60ZC	250 MCM CU	220	13.28	25.99	27.87	35.24	40.83	43.62	2892	2 AWG CU	523	445
Q8D60ZC	350 MCM CU	220	15.72	28.43	30.77	38.81	45.16	47.96	3738	1 AWG CU	575	550
Q8E60ZC	500 MCM CU	220	18.77	31.48	33.82	41.86	48.21	51.00	4680	1/0 AWG CU	612	685
Q8F60XC	750 MCM CU	220	24.59	37.56	39.89	50.41	56.76	59.55	6562	2/0 AWG CU	715	885
Q8G60XC	1000 MCM CU	220	28.37	41.34	44.54	55.06	61.41	64.81	8112	2/0 AWG CU	778	1060

PRODUCT NOTES:

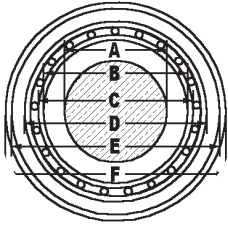
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†Ampacities are based on the following:

2011 NEC - Table 310.60(C)(69) Ampacities of Insulated Single Copper Conductor Isolated in Air Based on Conductor Temperatures of 90°C (194°F) and Ambient Air Temperature of 40°C (104°F) with the shields grounded at one point only.

25kV 1/C TRXLPE ARMORTEK™

100%/133% Medium Voltage Commercial & Industrial Cables



Product Number	Conductor	Insulation Thickness (milis)	Conductor Diameter (mm)	Insulation Diameter (mm)	Insulation Shield Diameter (mm)	Inner Jacket Diameter (mm)	Armour Diameter (mm)	Overall Jacket Diameter (mm)	Cable Weight (kg/km)	Equivalent Bonding Conductor Size	Minimum Bending Radius (mm)	†Ampacity (Amps)
		(A)	(B)	(C)	(D)	(E)	(F)					90°C
25kV 100% Copper Single Conductor												
Q9660ZC	1 AWG CU	260	7.59	22.11	23.99	30.83	36.42	38.75	1795	4 AWG CU	465	225
Q9860ZC	1/0 AWG CU	260	8.59	23.10	24.98	31.82	37.41	39.74	1944	4 AWG CU	477	260
Q9960ZC	2/0 AWG CU	260	9.60	24.12	26.00	32.83	38.42	41.22	2161	4 AWG CU	495	300
Q9A60ZC	3/0 AWG CU	260	10.82	25.34	27.22	34.59	40.17	42.97	2453	3 AWG CU	516	345
Q9B60ZC	4/0 AWG CU	260	12.14	26.66	29.00	36.36	41.95	44.75	2755	3 AWG CU	537	395
Q9C60ZC	250 MCM CU	260	13.28	28.06	30.40	37.77	43.36	46.15	3070	2 AWG CU	554	440
Q9D60ZC	350 MCM CU	260	15.72	30.50	32.84	40.88	47.23	50.03	3895	1 AWG CU	600	545
Q9E60ZC	500 MCM CU	260	18.77	33.55	35.89	45.53	51.88	54.67	5033	1/0 AWG CU	656	680
Q9F60XC	750 MCM CU	260	24.59	39.63	42.83	53.34	59.69	63.10	6931	2/0 AWG CU	757	870
Q9G60XC	1000 MCM CU	260	28.37	43.41	46.61	57.13	63.48	66.88	8320	2/0 AWG CU	803	1040
25kV 133% Copper Single Conductor												
QA860ZC	1/0 AWG CU	320	8.59	26.27	28.60	35.44	41.03	43.82	2225	4 AWG CU	526	260
QA960ZC	2/0 AWG CU	320	9.60	27.28	29.62	36.45	42.04	44.84	2408	4 AWG CU	538	300
QAA60ZC	3/0 AWG CU	320	10.82	28.50	30.84	38.21	44.56	47.35	2830	3 AWG CU	568	345
QAB60ZC	4/0 AWG CU	320	12.14	29.82	32.16	39.53	45.88	48.67	3108	3 AWG CU	584	395
QAC60ZC	250 MCM CU	320	13.28	31.22	33.56	40.93	47.28	50.07	3433	2 AWG CU	601	440
QAD60ZC	350 MCM CU	320	15.72	33.66	36.00	45.64	51.99	54.79	4334	1 AWG CU	657	545
QAE60ZC	500 MCM CU	320	18.77	36.71	39.05	48.69	55.04	57.84	5309	1/0 AWG CU	694	680
QAF60XC	750 MCM CU	320	24.59	42.79	45.99	56.51	62.86	66.26	7244	2/0 AWG CU	795	870
QAG60XC	1000 MCM CU	320	28.37	46.57	49.77	60.29	66.64	70.04	8650	2/0 AWG CU	841	1040

PRODUCT NOTES:

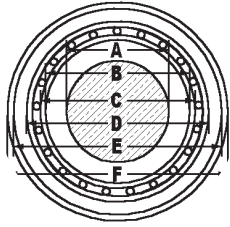
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2011 NEC - Table 310.60(C)(69) Ampacities of Insulated Single Copper Conductor Isolated in Air Based on Conductor Temperatures of 90°C (194°F) and Ambient Air Temperature of 40°C (104°F) with the shields grounded at one point only.

28kV 1/C TRXLPE ARMORTEK™

100%/133% Medium Voltage Commercial & Industrial Cables



Product Number	Conductor	Insulation Thickness (milis)	Conductor Diameter (mm)	Insulation Diameter (mm)	Insulation Shield Diameter (mm)	Inner Jacket Diameter (mm)	Armour Diameter (mm)	Overall Jacket Diameter (mm)	Cable Weight (kg./km)	Equivalent Bonding Conductor Size	Minimum Bending Radius (mm)	†Ampacity (Amps)
		(A)	(B)	(C)	(D)	(E)	(F)					90°C
28kV 100% Copper Single Conductor												
QV660ZC	1 AWG CU	280	7.59	23.18	25.06	31.90	37.49	39.82	1860	4 AWG CU	478	225
QV860ZC	1/0 AWG CU	280	8.59	24.17	26.05	32.89	38.48	41.27	2052	4 AWG CU	495	260
QV960ZC	2/0 AWG CU	280	9.60	25.19	27.07	33.91	39.49	42.29	2231	4 AWG CU	507	300
QVA60ZC	3/0 AWG CU	280	10.82	26.41	28.75	36.11	41.70	44.50	2560	3 AWG CU	534	345
QVB60ZC	4/0 AWG CU	280	12.14	27.73	30.07	37.44	43.02	45.82	2830	3 AWG CU	550	395
QZC60ZC	250 MCM CU	280	13.28	29.13	31.47	38.84	45.19	47.98	3273	2 AWG CU	576	440
QVD60ZC	350 MCM CU	280	15.72	31.57	33.91	43.55	49.90	52.70	4159	1 AWG CU	632	545
QVE60ZC	500 MCM CU	280	18.77	34.62	36.96	46.60	52.95	55.74	5125	1/0 AWG CU	669	680
QVF60XC	750 MCM CU	280	24.59	40.70	43.90	54.41	60.76	64.17	7036	2/0 AWG CU	770	870
QVG60XC	1000 MCM CU	280	28.37	44.48	47.68	58.20	64.55	67.95	8430	2/0 AWG CU	815	1040
28kV 133% Copper Single Conductor												
QB660ZC	1 AWG CU	345	7.59	26.64	28.97	35.81	41.40	44.19	2162	4 AWG CU	530	225
QB860ZC	1/0 AWG CU	345	8.59	27.63	29.96	36.80	42.39	45.18	2319	4 AWG CU	542	260
QB960ZC	2/0 AWG CU	345	9.60	28.64	30.98	37.81	43.40	46.20	2504	4 AWG CU	554	300
QBA60ZC	3/0 AWG CU	345	10.82	29.86	32.20	39.57	45.92	48.71	2932	3 AWG CU	585	345
QBB60ZC	4/0 AWG CU	345	12.14	31.18	33.52	40.89	47.24	50.03	3213	3 AWG CU	600	395
QBC60ZC	250 MCM CU	345	13.28	32.59	34.92	43.89	50.24	53.04	3723	2 AWG CU	636	440
QBD60ZC	350 MCM CU	345	15.72	35.02	37.36	47.01	53.36	56.15	4451	1 AWG CU	674	545
QBE60ZC	500 MCM CU	345	18.77	38.07	40.41	50.05	56.40	59.20	5433	1/0 AWG CU	710	680
QBF60XC	750 MCM CU	345	24.59	44.15	47.35	57.87	64.22	67.62	7383	2/0 AWG CU	811	870
QBG60XC	1000 MCM CU	345	28.37	47.93	51.13	61.65	68.00	71.41	8797	2/0 AWG CU	857	1040

PRODUCT NOTES:

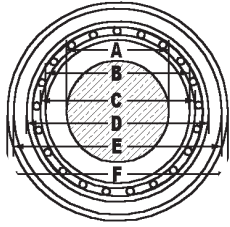
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35kV 1/C TRXLPE ARMORTEK™

100%/133% Medium Voltage Commercial & Industrial Cables



Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (mm)	Insulation Diameter (mm)	Insulation Shield Diameter (mm)	Inner Jacket Diameter (mm)	Armour Diameter (mm)	Overall Jacket Diameter (mm)	Cable Weight (kg/km)	Equivalent Bonding Conductor Size	Minimum Bending Radius (mm)	†Ampacity (Amps)
		(A)	(B)	(C)	(D)	(E)	(F)					90°C
35kV 100% Copper Single Conductor												
QB660ZC	1 AWG CU	345	7.59	26.64	28.97	35.81	41.40	44.19	2162	4 AWG CU	530	225
QB860ZC	1/0 AWG CU	345	8.59	27.63	29.96	36.80	42.39	45.18	2319	4 AWG CU	542	260
QB960ZC	2/0 AWG CU	345	9.60	28.64	30.98	37.81	43.40	46.20	2504	4 AWG CU	554	300
QBA60ZC	3/0 AWG CU	345	10.82	29.86	32.20	39.57	45.92	48.71	2932	3 AWG CU	585	345
QBB60ZC	4/0 AWG CU	345	12.14	31.18	33.52	40.89	47.24	50.03	3213	3 AWG CU	600	395
QBC60ZC	250 MCM CU	345	13.28	32.59	34.92	43.89	50.24	53.04	3723	2 AWG CU	636	440
QBD60ZC	350 MCM CU	345	15.72	35.02	37.36	47.01	53.36	56.15	4451	1 AWG CU	674	545
QBE60ZC	500 MCM CU	345	18.77	38.07	40.41	50.05	56.40	59.20	5433	1/0 AWG CU	710	680
QBF60XC	750 MCM CU	345	24.59	44.15	47.35	57.87	64.22	67.62	7383	2/0 AWG CU	811	870
QBG60XC	1000 MCM CU	345	28.37	47.93	51.13	61.65	68.00	71.41	8797	2/0 AWG CU	857	1040
35kV 133% Copper Single Conductor												
QC860ZC	1/0 AWG CU	420	8.59	31.60	33.94	40.77	47.12	49.92	2741	4 AWG CU	599	260
QC960ZC	2/0 AWG CU	420	9.60	32.62	34.95	41.79	48.14	50.93	2934	4 AWG CU	611	300
QCA60ZC	3/0 AWG CU	420	10.82	33.83	36.17	45.14	51.49	54.28	3433	3 AWG CU	651	345
QCB60ZC	4/0 AWG CU	420	12.14	35.16	37.49	46.46	52.81	55.60	3726	3 AWG CU	667	395
QCC60ZC	250 MCM CU	420	13.28	36.56	38.90	47.86	54.21	57.01	4067	2 AWG CU	684	440
QCD60ZC	350 MCM CU	420	15.72	39.00	42.20	51.84	58.19	61.59	4983	1 AWG CU	739	545
QCE60ZC	500 MCM CU	420	18.77	42.05	45.25	54.89	61.24	64.64	5991	1/0 AWG CU	776	680
QCF60XC	750 MCM CU	420	24.59	48.12	51.32	61.84	68.19	71.59	7805	2/0 AWG CU	859	870
QCG60XC	1000 MCM CU	420	28.37	51.91	55.11	65.62	71.97	75.38	9240	2/0 AWG CU	905	1040

PRODUCT NOTES:

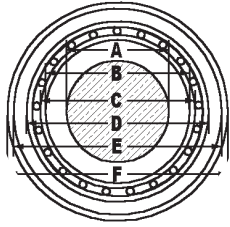
The above dimensions are approximate and subject to normal manufacturing tolerances. All metric (SI) dimensions are derived from a soft conversion.

†Ampacities are based on the following:

2011 NEC - Table 310.60(C)(69) Ampacities of Insulated Single Copper Conductor Isolated in Air Based on Conductor Temperatures of 90°C (194°F) and Ambient Air Temperature of 40°C (104°F) with the shields grounded at one point only.

25kV 1/C TRXLPE ARMORTEK™

100%/133% Medium Voltage Commercial & Industrial Cables



Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (mm)	Insulation Diameter (mm)	Insulation Shield Diameter (mm)	Inner Jacket Diameter (mm)	Armour Diameter (mm)	Overall Jacket Diameter (mm)	Cable Weight (kg/km)	Equivalent Bonding Conductor Size	Minimum Bending Radius (mm)	†Ampacity (Amps)
		(A)	(B)	(C)	(D)	(E)	(F)					90°C
25kV 100% Aluminum Single Conductor												
Q9060ZC	1 AWG AL	260	7.65	22.16	24.04	30.88	36.47	38.80	1463	6 AWG CU	466	175
Q9060ZC	1/0 AWG AL	260	8.59	23.10	24.98	31.82	37.41	39.74	1540	6 AWG CU	477	200
Q9R60ZC	2/0 AWG AL	260	9.60	24.12	26.00	32.83	38.42	41.22	1740	4 AWG CU	495	230
Q9S60ZC	3/0 AWG AL	260	10.82	25.34	27.22	34.05	39.64	42.44	1851	4 AWG CU	510	270
Q9T60ZC	4/0 AWG AL	260	12.14	26.66	29.00	35.83	41.42	44.21	1965	4 AWG CU	531	310
Q9U60ZC	250 MCM AL	260	13.28	28.06	30.40	37.77	43.36	46.15	2218	3 AWG CU	554	345
Q9V60ZC	350 MCM AL	260	15.72	30.50	32.84	40.21	46.56	49.35	2676	2 AWG CU	593	430
Q9W60ZC	500 MCM AL	260	18.80	33.57	35.91	45.56	51.91	54.70	3354	1 AWG CU	657	530
Q9X60ZC	750 MCM AL	260	23.11	38.15	41.35	51.00	57.35	60.75	4267	1/0 AWG CU	730	685
Q9Y60ZC	1000 MCM AL	260	26.92	41.96	45.16	54.81	61.16	64.56	4847	1/0 AWG CU	775	825
25kV 133% Aluminum Single Conductor												
QAQ60ZC	1/0 AWG AL	320	8.59	26.27	28.60	35.44	41.03	43.82	1821	6 AWG CU	526	200
QAR60ZC	2/0 AWG AL	320	9.60	27.28	29.62	36.45	42.04	44.84	1987	4 AWG CU	539	230
QAS60ZC	3/0 AWG AL	320	10.82	28.50	30.84	37.67	43.26	46.05	2104	4 AWG CU	553	270
QAT60ZC	4/0 AWG AL	320	12.14	29.82	32.16	38.99	45.34	48.14	2390	4 AWG CU	578	310
QAU60ZC	250 MCM AL	320	13.28	31.22	33.56	40.93	47.28	50.07	2609	3 AWG CU	601	345
QAV60ZC	350 MCM AL	320	15.72	33.66	36.00	44.97	51.32	54.11	3113	2 AWG CU	650	430
QAW60ZC	500 MCM AL	320	18.80	36.74	39.07	48.72	55.07	57.86	3630	1 AWG CU	695	530
QAX60ZC	750 MCM AL	320	23.11	41.31	44.51	54.16	60.51	63.91	4573	1/0 AWG CU	767	685
QAY60ZC	1000 MCM AL	320	26.92	45.12	48.32	57.97	64.32	67.72	5171	1/0 AWG CU	813	825

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances. All metric (SI) dimensions are derived from a soft conversion.

†Ampacities are based on the following:

2011 NEC - Table 310.60(C)(69) Ampacities of Insulated Single Copper Conductor Isolated in Air Based on Conductor Temperatures of 90°C (194°F) and Ambient Air Temperature of 40°C (104°F) with the shields grounded at one point only.

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