PRYSMIAN

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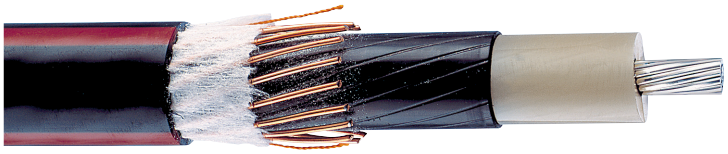
5-46kV TRXLPE **SUPERDRI**® CSA

Medium Voltage Utility Cables



Description

Single conductor cable with solid or filled strand aluminum or copper conductors, triple extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength VOLTALENE® TRXLPE insulation, thermosetting semiconducting insulation shield, copper concentric neutral wires, water swellable agents, black sleeved linear low-density polyethylene (LLDPE) jacket.

Specifications

CSA- CSA C68.5
ICEA- ICEA T-31-610
ICEA- ICEA T-34-664

Ratings

-40°C

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

Options

- Black LLDPE jacket with no stripes
- EPROTENAX® (EPR) insulation
- Multiplex cables
- Super smooth conductor shield
- Tinned round and flat strap neutrals
- Cables made to AEIC CS8 and/or ICEA S-94-649
- 46kV

Installation

- Conduit in Air
- Direct Buried
- Underground Duct
- Isolated in Air
- Wet Locations
- Dry Locations
- With Messenger
- Utility Primary

Design Parameters

CONDUCTOR: Solid or Class B Compact & Compressed concentric strand aluminum alloy 1350 or soft drawn annealed copper per ASTM. Stranded conductors are water-blocked with STRANDSEAL® conductor filling compound.

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

INSULATION: Natural high dielectric 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: Solid bare copper wires, helically applied and uniformly spaced.

RIP CORDS: Two high tensile strength rip cords, longitudinally applied at 180° apart to facilitate easy jacket removal.

WATER BLOCKING AGENTS: Water swellable tape applied longitudinally over the concentric neutrals combined with an application of water swellable agents to resist longitudinal water penetration under the jacket.

JACKET: Sleeved black insulating sunlight resistant linear low-density polyethylene with three extruded red stripes.

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PDN-0031-1215

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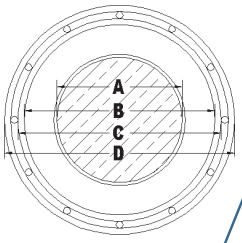
5kV TRXLPE SUPERDRI® CSA

100%/133% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
5kV 100%/133% Aluminum Single Phase - Full Neutral																			
Q4L05ZC	2 SOLID AL	90	10-#14	6.55	12.40	14.27	20.78	562	178	123	2.17	0.08	2.17	0.08	178	2.17	0.08	2.17	0.08
Q4M05ZC	2 AWG AL	90	10-#14	6.81	12.55	14.43	20.93	570	178	124	2.20	0.08	2.20	0.08	177	2.20	0.08	2.20	0.08
Q4N05ZC	1 SOLID AL	90	13-#14	7.34	13.18	15.06	22.59	689	203	141	1.70	0.08	1.70	0.08	201	1.70	0.08	1.70	0.08
Q4O05ZC	1 AWG AL	90	13-#14	7.65	13.39	15.27	22.79	699	203	143	1.72	0.07	1.72	0.07	203	1.72	0.07	1.72	0.07
Q4P05ZC	1/0 SOLID AL	90	16-#14	8.26	14.10	15.98	23.50	793	203	160	1.36	0.07	1.36	0.07	228	1.36	0.07	1.36	0.07
Q4Q05ZC	1/0 AWG AL	90	16-#14	8.59	14.33	16.21	23.73	804	203	162	1.38	0.07	1.38	0.07	229	1.38	0.07	1.38	0.07
Q4R05ZC	2/0 AWG AL	90	13-#12	9.60	15.34	17.22	25.59	980	229	188	1.08	0.07	1.08	0.07	263	1.08	0.07	1.08	0.07
Q4S05ZC	3/0 AWG AL	90	16-#12	10.82	16.56	18.44	26.81	1143	229	214	0.86	0.06	0.86	0.06	298	0.86	0.06	0.86	0.06
Q4T05ZC	4/0 AWG AL	90	20-#12	12.14	17.88	19.76	28.13	1299	229	243	0.69	0.06	0.69	0.06	338	0.69	0.06	0.69	0.06
Q4U05ZC	250 MCM AL	90	23-#12	13.28	19.28	21.16	29.53	1548	254	276	0.56	0.06	0.56	0.06	379	0.56	0.06	0.56	0.06
Q4V05ZC	350 MCM AL	90	33-#12	15.72	21.72	23.60	31.97	2038	279	326	0.42	0.06	0.42	0.05	445	0.42	0.06	0.42	0.05
5kV 100%/133% Aluminum Three Phase - One-Third Neutral																			
Q4L04ZC	2 SOLID AL	90	6-#16	6.55	12.40	14.27	20.11	429	178	124	1.08	0.15	4.03	0.08	184	1.10	0.34	3.95	0.08
Q4M04ZC	2 AWG AL	90	6-#16	6.81	12.55	14.43	20.26	435	178	123	1.10	0.15	4.05	0.08	183	1.12	0.34	3.98	0.08
Q4N04ZC	1 SOLID AL	90	7-#16	7.34	13.18	15.06	20.89	479	178	141	0.86	0.15	3.39	0.07	208	0.88	0.33	3.33	0.07
Q4O04ZC	1 AWG AL	90	7-#16	7.65	13.39	15.27	22.11	512	178	142	0.87	0.15	3.40	0.07	206	0.90	0.33	3.35	0.07
Q4P04ZC	1/0 SOLID AL	90	9-#16	8.26	14.10	15.98	22.82	574	203	162	0.68	0.14	2.65	0.07	234	0.71	0.32	2.61	0.07
Q4Q04ZC	1/0 AWG AL	90	9-#16	8.59	14.33	16.21	23.05	585	203	161	0.70	0.14	2.67	0.07	232	0.73	0.32	2.63	0.07
Q4R04ZC	2/0 AWG AL	90	11-#16	9.60	15.34	17.22	24.07	667	203	183	0.55	0.14	2.17	0.07	261	0.59	0.31	2.14	0.07
Q4S04ZC	3/0 AWG AL	90	14-#16	10.82	16.56	18.44	25.29	776	203	209	0.44	0.13	1.71	0.06	293	0.48	0.30	1.69	0.06
Q4T04ZC	4/0 AWG AL	90	17-#16	12.14	17.88	19.76	26.61	849	229	238	0.35	0.13	1.39	0.06	326	0.40	0.29	1.38	0.06
Q4U04ZC	250 MCM AL	90	21-#16	13.28	19.28	21.16	28.01	1042	229	261	0.30	0.12	1.14	0.06	350	0.35	0.27	1.13	0.06
Q4V04ZC	350 MCM AL	90	27-#16	15.72	21.72	23.60	30.44	1293	254	315	0.22	0.12	0.87	0.05	403	0.28	0.25	0.87	0.05
Q4W04ZC	500 MCM AL	90	25-#14	18.80	24.79	26.67	34.19	1770	279	381	0.16	0.11	0.58	0.05	453	0.23	0.22	0.58	0.05
Q4X04ZC	750 MCM AL	90	24-#12	23.11	29.36	31.70	40.07	2580	330	466	0.11	0.11	0.39	0.05	510	0.19	0.18	0.39	0.05
Q4Y04ZC	1000 MCM AL	90	31-#12	26.92	33.17	35.51	45.46	3340	381	526	0.09	0.10	0.30	0.04	548	0.17	0.15	0.30	0.04

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

††Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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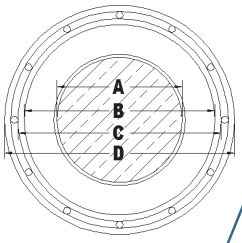

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
5kV 100%/133% Copper Single Phase – Full Neutral																			
Q4305ZC	2 SOLID CU	90	16-#14	6.55	12.40	14.27	20.78	876	178	157	1.34	0.08	1.34	0.08	227	1.34	0.08	1.34	0.08
Q4405ZC	2 AWG CU	90	16-#14	6.81	12.55	14.43	20.93	883	178	158	1.35	0.08	1.35	0.08	226	1.35	0.08	1.35	0.08
Q4505ZC	1 SOLID CU	90	13-#12	7.34	13.18	15.06	23.43	1112	203	183	1.04	0.08	1.04	0.08	258	1.04	0.08	1.04	0.08
Q4605ZC	1 AWG CU	90	13-#12	7.59	13.34	15.21	23.59	1126	203	184	1.06	0.08	1.06	0.08	260	1.06	0.08	1.06	0.08
Q4705ZC	1/0 SOLID CU	90	16-#12	8.26	14.10	15.98	24.35	1318	203	207	0.84	0.08	0.84	0.07	292	0.84	0.08	0.84	0.07
Q4805ZC	1/0 AWG CU	90	16-#12	8.59	14.33	16.21	24.58	1333	203	209	0.85	0.07	0.85	0.07	294	0.85	0.07	0.85	0.07
Q4905ZC	2/0 AWG CU	90	20-#12	9.60	15.34	17.22	25.59	1589	229	242	0.67	0.07	0.67	0.07	337	0.67	0.07	0.67	0.07
Q4A05ZC	3/0 AWG CU	90	26-#12	10.82	16.56	18.44	26.81	1951	229	275	0.53	0.07	0.53	0.07	381	0.53	0.07	0.53	0.07
Q4B05ZC	4/0 AWG CU	90	32-#12	12.14	17.88	19.76	28.13	2351	229	315	0.43	0.06	0.43	0.06	434	0.43	0.06	0.43	0.06
5kV 100%/133% Copper Three Phase - One-Third Neutral																			
Q4304ZC	2 SOLID CU	90	9-#16	6.55	12.40	14.27	20.11	675	178	160	0.66	0.15	2.45	0.08	234	0.69	0.34	2.41	0.08
Q4404ZC	2 AWG CU	90	9-#16	6.81	12.55	14.43	20.26	683	178	162	0.67	0.16	2.46	0.08	233	0.70	0.34	2.43	0.08
Q4504ZC	1 SOLID CU	90	11-#16	7.34	13.18	15.06	20.89	789	178	184	0.52	0.15	2.06	0.08	262	0.56	0.33	2.03	0.08
Q4604ZC	1 AWG CU	90	11-#16	7.59	13.34	15.21	21.05	802	178	184	0.53	0.15	2.07	0.07	262	0.57	0.32	2.05	0.07
Q4704ZC	1/0 SOLID CU	90	14-#16	8.26	14.10	15.98	22.82	974	203	209	0.42	0.15	1.61	0.07	292	0.46	0.31	1.59	0.07
Q4804ZC	1/0 AWG CU	90	14-#16	8.59	14.33	16.21	23.05	988	203	210	0.42	0.14	1.62	0.07	293	0.47	0.31	1.60	0.07
Q4904ZC	2/0 AWG CU	90	17-#16	9.60	15.34	17.22	24.07	1169	203	238	0.34	0.14	1.32	0.07	326	0.39	0.29	1.30	0.07
Q4A04ZC	3/0 AWG CU	90	21-#16	10.82	16.56	18.44	25.29	1397	203	271	0.27	0.13	1.04	0.06	359	0.33	0.28	1.03	0.06
Q4B04ZC	4/0 AWG CU	90	27-#16	12.14	17.88	19.76	26.61	1694	229	306	0.22	0.13	0.81	0.06	392	0.29	0.26	0.81	0.06
Q4C04ZC	250 MCM CU	90	21-#14	13.28	19.28	21.16	28.68	2022	254	337	0.19	0.13	0.70	0.06	417	0.26	0.25	0.70	0.06
Q4D04ZC	350 MCM CU	90	28-#14	15.72	21.72	23.60	31.12	2666	254	400	0.14	0.12	0.51	0.05	462	0.22	0.21	0.50	0.05
Q4E04ZC	500 MCM CU	90	26-#12	18.77	24.77	26.64	35.02	3713	305	472	0.11	0.11	0.34	0.05	509	0.19	0.17	0.34	0.05
Q4F04XC	750 MCM CU	90	25-#10	24.59	30.84	33.17	44.20	5694	356	550	0.09	0.11	0.24	0.05	570	0.16	0.14	0.24	0.05
Q4G04XC	1000 MCM CU	90	32-#10	28.37	34.62	36.96	47.98	7303	406	596	0.08	0.10	0.18	0.04	621	0.13	0.11	0.18	0.04

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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8kV TRXLPE SUPERDRI® CSA

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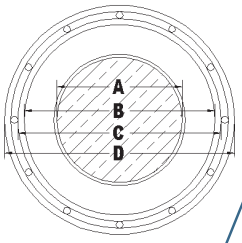

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
8kV 100% Aluminum Single Phase - Full Neutral																			
Q5L05ZC	2 SOLID AL	115	10-#14	6.55	13.67	15.54	23.07	638	203	125	2.17	0.09	2.17	0.09	175	2.17	0.09	2.17	0.09
Q5M05ZC	2 AWG AL	115	10-#14	6.81	13.82	15.70	23.22	645	203	124	2.20	0.09	2.20	0.09	175	2.20	0.09	2.20	0.09
Q5N05ZC	1 SOLID AL	115	13-#14	7.34	14.45	16.33	23.86	733	203	143	1.70	0.08	1.70	0.08	201	1.70	0.08	1.70	0.08
Q5O05ZC	1 AWG AL	115	13-#14	7.65	14.66	16.54	24.06	741	203	143	1.72	0.08	1.72	0.08	200	1.72	0.08	1.72	0.08
Q5P05ZC	1/0 SOLID AL	115	16-#14	8.26	15.37	17.25	24.77	838	203	162	1.36	0.08	1.36	0.08	227	1.36	0.08	1.36	0.08
Q5Q05ZC	1/0 AWG AL	115	16-#14	8.59	15.60	17.48	25.00	850	203	162	1.38	0.08	1.38	0.08	226	1.38	0.08	1.38	0.08
Q5R05ZC	2/0 AWG AL	115	13-#12	9.60	16.61	18.49	26.86	1030	229	187	1.08	0.08	1.08	0.07	260	1.08	0.08	1.08	0.07
Q5S05ZC	3/0 AWG AL	115	16-#12	10.82	17.83	19.71	28.08	1195	229	213	0.86	0.07	0.86	0.07	295	0.86	0.07	0.86	0.07
Q5T05ZC	4/0 AWG AL	115	20-#12	12.14	19.15	21.03	29.40	1353	254	242	0.69	0.07	0.69	0.07	334	0.69	0.07	0.69	0.07
Q5U05ZC	250 MCM AL	115	23-#12	13.28	20.55	22.43	30.80	1605	254	266	0.59	0.06	0.59	0.06	365	0.59	0.06	0.59	0.06
Q5V05ZC	350 MCM AL	115	33-#12	15.72	22.99	24.87	33.24	2100	279	324	0.42	0.06	0.42	0.06	442	0.42	0.06	0.42	0.06
8kV 100% Aluminum Three Phase - One-Third Neutral																			
Q5L04ZC	2 SOLID AL	115	6-#16	6.55	13.67	15.54	22.39	503	203	126	1.08	0.16	3.50	0.09	181	1.10	0.34	3.44	0.09
Q5M04ZC	2 AWG AL	115	6-#16	6.81	13.82	15.70	22.55	510	203	125	1.10	0.16	3.52	0.09	180	1.12	0.34	3.46	0.09
Q5N04ZC	1 SOLID AL	115	7-#16	7.34	14.45	16.33	23.18	544	203	143	0.86	0.15	3.28	0.08	205	0.88	0.35	3.22	0.08
Q5O04ZC	1 AWG AL	115	7-#16	7.65	14.66	16.54	23.38	555	203	143	0.87	0.15	3.30	0.08	204	0.90	0.33	3.24	0.08
Q5P04ZC	1/0 SOLID AL	115	9-#16	8.26	15.37	17.25	24.09	618	203	163	0.68	0.15	2.57	0.08	232	0.71	0.32	2.53	0.08
Q5Q04ZC	1/0 AWG AL	115	9-#16	8.59	15.60	17.48	24.32	629	203	162	0.70	0.15	2.58	0.08	230	0.73	0.32	2.54	0.08
Q5R04ZC	2/0 AWG AL	115	11-#16	9.60	16.61	18.49	25.34	713	203	184	0.55	0.14	2.10	0.07	259	0.59	0.31	2.07	0.07
Q5S04ZC	3/0 AWG AL	115	14-#16	10.82	17.83	19.71	26.56	824	229	210	0.44	0.14	1.65	0.07	291	0.48	0.30	1.63	0.07
Q5T04ZC	4/0 AWG AL	115	17-#16	12.14	19.15	21.03	27.88	900	229	239	0.35	0.13	1.35	0.06	325	0.40	0.29	1.34	0.06
Q5U04ZC	250 MCM AL	115	21-#16	13.28	20.55	22.43	29.28	1096	254	263	0.30	0.13	1.11	0.06	349	0.35	0.27	1.10	0.06
Q5V04ZC	350 MCM AL	115	27-#16	15.72	22.99	24.87	31.71	1364	254	316	0.22	0.12	0.84	0.06	401	0.28	0.25	0.84	0.06
Q5W04ZC	500 MCM AL	115	25-#14	18.80	26.06	28.40	35.92	1866	305	383	0.16	0.12	0.58	0.05	453	0.23	0.22	0.58	0.05
Q5X04ZC	750 MCM AL	115	24-#12	23.11	30.63	32.97	41.34	2656	356	467	0.11	0.11	0.38	0.05	510	0.19	0.18	0.38	0.05
Q5Y04ZC	1000 MCM AL	115	31-#12	26.92	34.44	36.78	46.73	3385	381	527	0.09	0.11	0.30	0.05	549	0.17	0.15	0.29	0.05

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

††Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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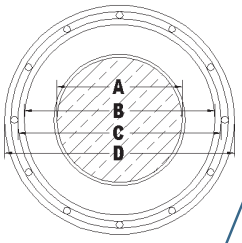
8kV TRXLPE SUPERDRI® CSA

100% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
8kV 100% Copper Single Phase - Full Neutral																			
Q5305ZC	2 SOLID CU	115	16-#14	6.55	13.67	15.54	23.07	950	203	159	1.34	0.09	1.34	0.08	224	1.34	0.09	1.34	0.08
Q5405ZC	2 AWG CU	115	16-#14	6.81	13.82	15.70	23.22	958	203	159	1.35	0.09	1.35	0.08	224	1.35	0.09	1.35	0.08
Q5505ZC	1 SOLID CU	115	13-#12	7.34	14.45	16.33	24.70	1158	203	184	1.04	0.08	1.04	0.08	257	1.04	0.08	1.04	0.08
Q5605ZC	1 AWG CU	115	13-#12	7.59	14.61	16.48	24.86	1172	203	184	1.06	0.09	1.06	0.08	257	1.06	0.09	1.06	0.08
Q5705ZC	1/0 SOLID CU	115	16-#12	8.26	15.37	17.25	25.62	1366	229	208	0.84	0.08	0.84	0.07	291	0.84	0.08	0.84	0.07
Q5805ZC	1/0 AWG CU	115	16-#12	8.59	15.60	17.48	25.85	1381	229	208	0.85	0.08	0.85	0.07	291	0.85	0.08	0.85	0.07
Q5905ZC	2/0 AWG CU	115	20-#12	9.60	16.61	18.49	26.86	1645	229	237	0.68	0.08	0.68	0.07	330	0.68	0.08	0.68	0.07
Q5A05ZC	3/0 AWG CU	115	26-#12	10.82	17.83	19.71	28.08	2003	229	272	0.53	0.07	0.53	0.07	377	0.53	0.07	0.53	0.07
Q5B05ZC	4/0 AWG CU	115	32-#12	12.14	19.15	21.03	29.40	2405	254	309	0.42	0.07	0.42	0.06	426	0.42	0.07	0.42	0.06
8kV 100% Copper Three Phase - One-Third Neutral																			
Q5304ZC	2 SOLID CU	115	9-#16	6.55	13.67	15.54	22.39	747	203	162	0.66	0.16	2.54	0.08	231	0.69	0.34	2.49	0.08
Q5404ZC	2 AWG CU	115	9-#16	6.81	13.82	15.70	22.55	755	203	161	0.67	0.16	2.55	0.08	229	0.70	0.34	2.51	0.08
Q5504ZC	1 SOLID CU	115	11-#16	7.34	14.45	16.33	23.18	863	203	184	0.52	0.15	2.06	0.08	259	0.56	0.33	2.03	0.08
Q5604ZC	1 AWG CU	115	11-#16	7.59	14.61	16.48	23.33	877	203	182	0.53	0.15	2.08	0.07	257	0.57	0.33	2.04	0.07
Q5704ZC	1/0 SOLID CU	115	14-#16	8.26	15.37	17.25	24.09	1019	203	209	0.41	0.15	1.63	0.07	290	0.46	0.31	1.60	0.07
Q5804ZC	1/0 AWG CU	115	14-#16	8.59	15.60	17.48	24.32	1033	203	208	0.42	0.15	1.64	0.07	289	0.47	0.31	1.61	0.07
Q5904ZC	2/0 AWG CU	115	17-#16	9.60	16.61	18.49	25.34	1216	203	236	0.34	0.14	1.34	0.07	322	0.39	0.30	1.32	0.07
Q5A04ZC	3/0 AWG CU	115	21-#16	10.82	17.83	19.71	26.56	1448	229	268	0.27	0.14	1.08	0.06	356	0.33	0.29	1.07	0.06
Q5B04ZC	4/0 AWG CU	115	27-#16	12.14	19.15	21.03	27.88	1746	229	303	0.22	0.13	0.84	0.06	388	0.29	0.27	0.84	0.06
Q5C04ZC	250 MCM CU	115	21-#14	13.28	20.55	22.43	29.95	2078	254	334	0.19	0.13	0.70	0.06	412	0.26	0.25	0.69	0.06
Q5D04ZC	350 MCM CU	115	28-#14	15.72	22.99	24.87	32.39	2704	279	396	0.14	0.12	0.52	0.05	458	0.22	0.22	0.51	0.05
Q5E04ZC	500 MCM CU	115	26-#12	18.77	26.04	28.37	36.74	3810	305	468	0.11	0.12	0.35	0.05	505	0.19	0.18	0.35	0.0
Q5F04XC	750 MCM CU	115	25-#10	24.59	32.11	34.44	45.47	5778	381	548	0.09	0.11	0.23	0.05	569	0.16	0.13	0.23	0.05
Q5G04XC	1000 MCM CU	115	32-#10	28.37	35.89	38.23	49.25	7394	406	596	0.08	0.10	0.18	0.04	620	0.13	0.11	0.18	0.04

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

††Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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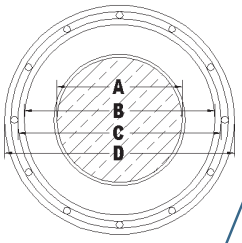
133% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
8kV 133% Aluminum Single Phase - Full Neutral																			
Q6L05ZC	2 SOLID AL	140	10-#14	6.55	14.99	16.87	24.39	685	203	125	2.17	0.09	2.17	0.09	175	2.17	0.09	2.17	0.09
Q6M05ZC	2 AWG AL	140	10-#14	6.81	15.14	17.02	24.54	692	203	124	2.20	0.09	2.20	0.09	175	2.20	0.09	2.20	0.09
Q6N05ZC	1 SOLID AL	140	13-#14	7.34	15.77	17.65	25.18	782	203	143	1.70	0.08	1.70	0.08	201	1.70	0.08	1.70	0.08
Q6O05ZC	1 AWG AL	140	13-#14	7.65	15.98	17.86	25.38	792	203	143	1.72	0.08	1.72	0.08	200	1.72	0.08	1.72	0.08
Q6P05ZC	1/0 SOLID AL	140	16-#14	8.26	16.69	18.57	26.09	888	229	162	1.36	0.08	1.36	0.08	227	1.36	0.08	1.36	0.08
Q6Q05ZC	1/0 AWG AL	140	16-#14	8.59	16.92	18.80	26.32	901	229	162	1.38	0.08	1.38	0.08	226	1.38	0.08	1.38	0.08
Q6R05ZC	2/0 AWG AL	140	13-#12	9.60	17.93	19.81	28.18	1080	229	187	1.08	0.08	1.08	0.07	260	1.08	0.08	1.08	0.07
Q6S05ZC	3/0 AWG AL	140	16-#12	10.82	19.15	21.03	29.40	1252	254	213	0.86	0.07	0.86	0.07	295	0.86	0.07	0.86	0.07
Q6T05ZC	4/0 AWG AL	140	20-#12	12.14	20.47	22.35	30.72	1412	254	242	0.69	0.07	0.69	0.07	334	0.69	0.07	0.69	0.07
Q6U05ZC	250 MCM AL	140	23-#12	13.28	21.87	23.75	32.12	1667	279	266	0.59	0.06	0.59	0.06	365	0.59	0.06	0.59	0.06
Q6V05ZC	350 MCM AL	140	33-#12	15.72	24.31	26.19	34.56	2167	279	324	0.42	0.06	0.42	0.06	442	0.42	0.06	0.42	0.06
8kV 133% Aluminum Three Phase - One-Third Neutral																			
Q6L04ZC	2 SOLID AL	140	6-#16	6.55	14.99	16.87	23.71	548	203	127	1.08	0.16	3.49	0.09	180	1.10	0.34	3.43	0.09
Q6M04ZC	2 AWG AL	140	6-#16	6.81	15.14	17.02	23.87	554	203	126	1.10	0.17	3.52	0.09	179	1.12	0.34	3.45	0.09
Q6N04ZC	1 SOLID AL	140	7-#16	7.34	15.77	17.65	24.50	602	203	144	0.86	0.16	2.97	0.08	204	0.88	0.33	2.92	0.09
Q6O04ZC	1 AWG AL	140	7-#16	7.65	15.98	17.86	24.70	612	203	144	0.87	0.16	2.99	0.08	203	0.90	0.33	2.94	0.09
Q6P04ZC	1/0 SOLID AL	140	9-#16	8.26	16.69	18.57	25.42	666	229	164	0.68	0.15	2.56	0.08	230	0.71	0.32	2.52	0.08
Q6Q04ZC	1/0 AWG AL	140	9-#16	8.59	16.92	18.80	25.64	677	229	163	0.70	0.15	2.58	0.08	229	0.73	0.32	2.54	0.08
Q6R04ZC	2/0 AWG AL	140	11-#16	9.60	17.93	19.81	26.66	763	229	186	0.55	0.15	2.10	0.07	258	0.59	0.31	2.06	0.08
Q6S04ZC	3/0 AWG AL	140	14-#16	10.82	19.15	21.03	27.88	877	229	212	0.44	0.14	1.65	0.07	290	0.48	0.30	1.63	0.07
Q6T04ZC	4/0 AWG AL	140	17-#16	12.14	20.47	22.35	29.20	955	254	240	0.35	0.14	1.35	0.06	323	0.40	0.29	1.33	0.07
Q6U04ZC	250 MCM AL	140	21-#16	13.28	21.87	23.75	30.60	1153	254	264	0.30	0.13	1.11	0.06	348	0.35	0.27	1.09	0.06
Q6V04ZC	350 MCM AL	140	27-#16	15.72	24.31	26.19	33.04	1427	279	317	0.22	0.12	0.84	0.06	401	0.28	0.25	0.84	0.06
Q6W04ZC	500 MCM AL	140	25-#14	18.80	27.38	29.72	37.24	1937	305	384	0.16	0.12	0.58	0.05	454	0.23	0.22	0.58	0.06
Q6X04ZC	750 MCM AL	140	24-#12	23.11	31.95	34.29	44.24	2832	356	468	0.11	0.12	0.38	0.05	509	0.19	0.18	0.38	0.05
Q6Y04ZC	1000 MCM AL	140	31-#12	26.92	35.76	38.10	48.05	3517	406	528	0.09	0.11	0.30	0.05	551	0.17	0.15	0.29	0.05

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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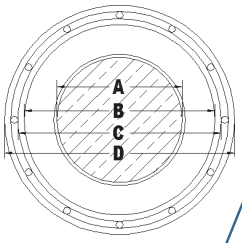


Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
8kV 133% Copper Single Phase - Full Neutral																			
Q6305ZC	2 SOLID CU	140	16-#14	6.55	14.99	16.87	24.39	997	203	159	1.34	0.09	1.34	0.09	224	1.34	0.09	1.34	0.09
Q6405ZC	2 AWG CU	140	16-#14	6.81	15.14	17.02	24.54	1003	203	159	1.35	0.09	1.35	0.09	224	1.35	0.09	1.35	0.09
Q6505ZC	1 SOLID CU	140	13-#12	7.34	15.77	17.65	26.02	1208	229	184	1.04	0.08	1.04	0.08	257	1.04	0.08	1.04	0.08
Q6605ZC	1 AWG CU	140	13-#12	7.59	15.93	17.81	26.18	1222	229	184	1.06	0.09	1.06	0.08	257	1.06	0.09	1.06	0.08
Q6705ZC	1/0 SOLID CU	140	16-#12	8.26	16.69	18.57	26.94	1418	229	208	0.84	0.08	0.84	0.08	291	0.84	0.08	0.84	0.08
Q6805ZC	1/0 AWG CU	140	16-#12	8.59	16.92	18.80	27.17	1434	229	208	0.85	0.08	0.85	0.08	291	0.85	0.08	0.85	0.08
Q6905ZC	2/0 AWG CU	140	20-#12	9.60	17.93	19.81	28.18	1699	229	237	0.68	0.08	0.68	0.07	330	0.68	0.08	0.68	0.07
Q6A05ZC	3/0 AWG CU	140	26-#12	10.82	19.15	21.03	29.40	2060	254	272	0.53	0.07	0.53	0.07	377	0.53	0.07	0.53	0.07
Q6B05ZC	4/0 AWG CU	140	32-#12	12.14	20.47	22.35	30.72	2464	254	309	0.42	0.07	0.42	0.07	426	0.42	0.07	0.42	0.07
8kV 133% Copper Three Phase - One-Third Neutral																			
Q6304ZC	2 SOLID CU	140	9-#16	6.55	14.99	16.87	23.71	793	203	162	0.66	0.16	2.54	0.09	231	0.69	0.34	2.49	0.09
Q6404ZC	2 AWG CU	140	9-#16	6.81	15.14	17.02	23.87	801	203	161	0.67	0.16	2.55	0.09	229	0.70	0.34	2.51	0.09
Q6504ZC	1 SOLID CU	140	11-#16	7.34	15.77	17.65	24.50	909	203	184	0.52	0.15	2.06	0.08	259	0.56	0.33	2.03	0.08
Q6604ZC	1 AWG CU	140	11-#16	7.59	15.93	17.81	24.65	924	203	182	0.53	0.15	2.08	0.08	257	0.57	0.33	2.04	0.08
Q6704ZC	1/0 SOLID CU	140	14-#16	8.26	16.69	18.57	25.42	1067	229	209	0.41	0.15	1.63	0.08	290	0.46	0.31	1.60	0.08
Q6804ZC	1/0 AWG CU	140	14-#16	8.59	16.92	18.80	25.64	1083	229	208	0.42	0.15	1.64	0.08	289	0.47	0.31	1.61	0.08
Q6904ZC	2/0 AWG CU	140	17-#16	9.60	17.93	19.81	26.66	1267	229	236	0.34	0.14	1.34	0.07	322	0.39	0.30	1.32	0.07
Q6A04ZC	3/0 AWG CU	140	21-#16	10.82	19.15	21.03	27.88	1502	229	268	0.27	0.14	1.08	0.07	356	0.33	0.29	1.07	0.07
Q6B04ZC	4/0 AWG CU	140	27-#16	12.14	20.47	22.35	29.20	1802	254	303	0.22	0.13	0.84	0.06	388	0.29	0.27	0.84	0.06
Q6C04ZC	250 MCM CU	140	21-#14	13.28	21.87	23.75	31.27	2138	254	334	0.19	0.13	0.70	0.06	412	0.26	0.25	0.69	0.06
Q6D04ZC	350 MCM CU	140	28-#14	15.72	24.31	26.19	33.71	2790	279	396	0.14	0.12	0.52	0.06	458	0.22	0.22	0.51	0.06
Q6E04ZC	500 MCM CU	140	26-#12	18.77	27.36	29.69	38.06	3883	305	468	0.11	0.12	0.35	0.05	505	0.19	0.18	0.35	0.05
Q6F04XC	750 MCM CU	140	25-#10	24.59	33.43	35.76	46.79	5868	381	548	0.09	0.11	0.23	0.05	569	0.16	0.13	0.23	0.05
Q6G04XC	1000 MCM CU	140	32-#10	28.37	37.21	39.55	50.57	7427	406	596	0.08	0.10	0.18	0.05	620	0.13	0.11	0.18	0.05

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

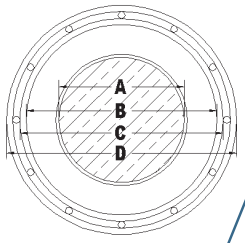
The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

15kV TRXLPE SUPERDRI® CSA

100% Medium Voltage Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
15kV 100% Aluminum Single Phase - Full Neutral																			
Q7L05ZC	2 SOLID AL	175	10-#14	6.55	16.76	18.64	26.17	752	229	127	2.17	0.10	2.17	0.10	174	2.17	0.10	2.17	0.10
Q7M05ZC	2 AWG AL	175	10-#14	6.81	16.92	18.80	26.32	759	229	128	2.20	0.10	2.20	0.10	175	2.20	0.10	2.20	0.10
Q7N05ZC	1 SOLID AL	175	13-#14	7.34	17.55	19.43	26.95	851	229	146	1.70	0.09	1.70	0.09	199	1.70	0.09	1.70	0.09
Q7O05ZC	1 AWG AL	175	13-#14	7.65	17.75	19.63	27.16	862	229	147	1.72	0.09	1.72	0.09	200	1.72	0.09	1.72	0.09
Q7P05ZC	1/0 SOLID AL	175	16-#14	8.26	18.47	20.35	27.87	960	229	165	1.36	0.09	1.36	0.09	225	1.36	0.09	1.36	0.09
Q7Q05ZC	1/0 AWG AL	175	16-#14	8.59	18.69	20.57	28.10	973	229	166	1.38	0.09	1.38	0.09	226	1.38	0.09	1.38	0.09
Q7R05ZC	2/0 AWG AL	175	13-#12	9.60	19.71	21.59	29.96	1161	254	192	1.08	0.08	1.08	0.08	260	1.08	0.08	1.08	0.08
Q7S05ZC	3/0 AWG AL	175	16-#12	10.82	20.93	22.81	31.18	1332	254	218	0.86	0.08	0.86	0.08	295	0.86	0.08	0.86	0.08
Q7T05ZC	4/0 AWG AL	175	20-#12	12.14	22.25	24.13	32.50	1496	279	249	0.69	0.07	0.69	0.07	335	0.69	0.07	0.69	0.07
Q7U05ZC	250 MCM AL	175	23-#12	13.28	23.65	25.53	33.90	1726	279	280	0.56	0.07	0.56	0.07	374	0.56	0.07	0.56	0.07
Q7V05ZC	350 MCM AL	175	33-#12	15.72	26.09	28.42	36.79	2290	305	332	0.42	0.07	0.42	0.07	440	0.42	0.07	0.42	0.07
15kV 100% Aluminum Three Phase - One-Third Neutral																			
Q7L04ZC	2 SOLID AL	175	6-#16	6.55	16.76	18.64	25.49	624	229	128	1.08	0.17	3.27	0.10	178	1.10	0.34	3.21	0.10
Q7M04ZC	2 AWG AL	175	6-#16	6.81	16.92	18.80	25.64	631	229	127	1.10	0.17	3.29	0.10	177	1.12	0.34	3.23	0.10
Q7N04ZC	1 SOLID AL	175	7-#16	7.34	17.55	19.43	26.28	668	229	145	0.86	0.16	3.05	0.09	202	0.88	0.33	2.99	0.09
Q7O04ZC	1 AWG AL	175	7-#16	7.65	17.75	19.63	26.48	679	229	145	0.87	0.16	3.07	0.09	201	0.90	0.33	3.01	0.09
Q7P04ZC	1/0 SOLID AL	175	9-#16	8.26	18.47	20.35	27.19	734	229	165	0.68	0.16	2.63	0.09	229	0.71	0.32	2.58	0.09
Q7Q04ZC	1/0 AWG AL	175	9-#16	8.59	18.69	20.57	27.42	746	229	164	0.70	0.16	2.65	0.09	227	0.72	0.32	2.60	0.09
Q7R04ZC	2/0 AWG AL	175	11-#16	9.60	19.71	21.59	28.44	835	229	187	0.55	0.15	2.15	0.08	256	0.58	0.31	2.12	0.08
Q7S04ZC	3/0 AWG AL	175	14-#16	10.82	20.93	22.81	29.66	952	254	213	0.44	0.15	1.70	0.08	288	0.47	0.30	1.67	0.08
Q7T04ZC	4/0 AWG AL	175	17-#16	12.14	22.25	24.13	30.98	1033	254	242	0.35	0.14	1.39	0.07	322	0.39	0.29	1.37	0.07
Q7U04ZC	250 MCM AL	175	21-#16	13.28	23.65	25.53	32.37	1235	279	265	0.30	0.14	1.14	0.07	347	0.35	0.28	1.12	0.07
Q7V04ZC	350 MCM AL	175	27-#16	15.72	26.09	28.42	35.27	1546	305	319	0.22	0.13	0.87	0.07	401	0.27	0.26	0.86	0.07
Q7W04ZC	500 MCM AL	175	25-#14	18.80	29.16	31.50	39.02	2036	330	386	0.16	0.12	0.58	0.06	454	0.23	0.23	0.58	0.06
Q7X04ZC	750 MCM AL	175	24-#12	23.11	33.73	36.07	46.01	2950	381	470	0.11	0.12	0.39	0.06	511	0.19	0.19	0.39	0.06
Q7Y04ZC	1000 MCM AL	175	31-#12	26.92	37.54	39.88	49.82	3644	406	531	0.09	0.11	0.30	0.05	554	0.16	0.16	0.30	0.05

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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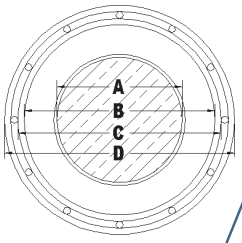
15kV TRXLPE SUPERDRI® CSA

100% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
15kV 100% Copper Single Phase - Full Neutral																			
Q7305ZC	2 SOLID CU	175	16-#14	6.55	16.76	18.64	26.17	1064	229	162	1.34	0.10	1.34	0.10	222	1.34	0.10	1.34	0.10
Q7405ZC	2 AWG CU	175	16-#14	6.81	16.92	18.80	26.32	1073	229	163	1.35	0.10	1.35	0.10	223	1.35	0.10	1.35	0.10
Q7505ZC	1 SOLID CU	175	13-#12	7.34	17.55	19.43	27.80	1279	229	187	1.04	0.10	1.04	0.10	255	1.04	0.10	1.04	0.10
Q7605ZC	1 AWG CU	175	13-#12	7.59	17.70	19.58	27.96	1294	229	189	1.06	0.09	1.06	0.09	257	1.06	0.09	1.06	0.09
Q7705ZC	1/0 SOLID CU	175	16-#12	8.26	18.47	20.35	28.72	1487	254	212	0.84	0.09	0.84	0.09	289	0.84	0.09	0.84	0.09
Q7805ZC	1/0 AWG CU	175	16-#12	8.59	18.69	20.57	28.95	1508	254	214	0.85	0.09	0.85	0.09	291	0.85	0.09	0.85	0.09
Q7905ZC	2/0 AWG CU	175	20-#12	9.60	19.71	21.59	29.96	1776	254	247	0.67	0.08	0.67	0.08	333	0.67	0.08	0.67	0.08
Q7A05ZC	3/0 AWG CU	175	26-#12	10.82	20.93	22.81	31.18	2140	254	280	0.53	0.08	0.53	0.08	377	0.53	0.08	0.53	0.08
Q7B05ZC	4/0 AWG CU	175	32-#12	12.14	22.25	24.13	32.50	2548	279	320	0.43	0.08	0.43	0.08	429	0.43	0.08	0.43	0.08
15kV 100% Copper Three Phase - One-Third Neutral																			
Q7304ZC	2 SOLID CU	175	9-#16	6.55	16.76	18.64	25.49	858	229	165	0.66	0.17	2.44	0.10	227	0.69	0.34	2.39	0.10
Q7404ZC	2 AWG CU	175	9-#16	6.81	16.92	18.80	25.64	866	229	165	0.67	0.17	2.45	0.10	227	0.70	0.34	2.40	0.10
Q7504ZC	1 SOLID CU	175	11-#16	7.34	17.55	19.43	26.28	978	229	188	0.52	0.17	2.05	0.09	256	0.56	0.33	2.01	0.09
Q7604ZC	1 AWG CU	175	11-#16	7.59	17.70	19.58	26.43	992	229	188	0.53	0.16	2.06	0.09	257	0.57	0.32	2.03	0.09
Q7704ZC	1/0 SOLID CU	175	14-#16	8.26	18.47	20.35	27.19	1137	229	213	0.41	0.16	1.60	0.09	287	0.46	0.32	1.58	0.09
Q7804ZC	1/0 AWG CU	175	14-#16	8.59	18.69	20.57	27.42	1151	229	214	0.42	0.16	1.61	0.09	288	0.46	0.31	1.59	0.09
Q7904ZC	2/0 AWG CU	175	17-#16	9.60	19.71	21.59	28.44	1340	229	242	0.34	0.15	1.31	0.08	322	0.39	0.30	1.29	0.08
Q7A04ZC	3/0 AWG CU	175	21-#16	10.82	20.93	22.81	29.66	1578	254	275	0.27	0.14	1.03	0.08	356	0.33	0.28	1.02	0.08
Q7B04ZC	4/0 AWG CU	175	27-#16	12.14	22.25	24.13	30.98	1881	254	311	0.22	0.14	0.81	0.07	390	0.28	0.26	0.80	0.07
Q7C04ZC	250 MCM CU	175	21-#14	13.28	23.65	25.53	33.05	2223	279	342	0.19	0.14	0.70	0.07	417	0.26	0.25	0.69	0.07
Q7D04ZC	350 MCM CU	175	28-#14	15.72	26.09	28.42	35.95	2910	305	406	0.14	0.13	0.50	0.06	465	0.22	0.22	0.50	0.06
Q7E04ZC	500 MCM CU	175	26-#12	18.77	29.13	31.47	39.84	3986	330	478	0.11	0.12	0.34	0.06	514	0.19	0.18	0.34	0.06
Q7F04XC	750 MCM CU	175	25-#10	24.59	35.20	37.54	48.56	5994	406	557	0.08	0.11	0.24	0.05	575	0.15	0.14	0.24	0.05
Q7G04XC	1000 MCM CU	175	32-#10	28.37	38.99	42.19	53.21	7706	432	605	0.07	0.11	0.18	0.05	627	0.13	0.12	0.18	0.05

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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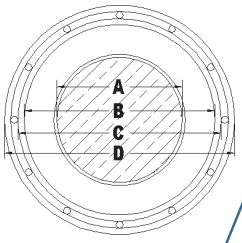
15kV TRXLPE SUPERDRI® CSA

133% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
15kV 133% Aluminum Single Phase - Full Neutral																			
Q8L05ZC	2 SOLID AL	220	10-#14	6.55	19.10	20.98	28.50	847	229	127	2.17	0.10	2.17	0.10	174	2.17	0.10	2.17	0.10
Q8M05ZC	2 AWG AL	220	10-#14	6.81	19.25	21.13	28.66	853	254	128	2.20	0.10	2.20	0.10	175	2.20	0.10	2.20	0.10
Q8N05ZC	1 SOLID AL	220	13-#14	7.34	19.89	21.77	29.29	949	254	146	1.70	0.09	1.70	0.09	199	1.70	0.09	1.70	0.09
Q8O05ZC	1 AWG AL	220	13-#14	7.65	20.09	21.97	29.49	960	254	147	1.72	0.09	1.72	0.09	200	1.72	0.09	1.72	0.09
Q8P05ZC	1/0 SOLID AL	220	16-#14	8.26	20.80	22.68	30.21	1061	254	165	1.36	0.09	1.36	0.09	225	1.36	0.09	1.36	0.09
Q8Q05ZC	1/0 AWG AL	220	16-#14	8.59	21.03	22.91	30.43	1075	254	166	1.38	0.09	1.38	0.09	226	1.38	0.09	1.38	0.09
Q8R05ZC	2/0 AWG AL	220	13-#12	9.60	22.05	23.93	32.30	1269	279	192	1.08	0.08	1.08	0.08	260	1.08	0.08	1.08	0.08
Q8S05ZC	3/0 AWG AL	220	16-#12	10.82	23.27	25.15	33.52	1444	279	218	0.86	0.08	0.86	0.08	295	0.86	0.08	0.86	0.08
Q8T05ZC	4/0 AWG AL	220	20-#12	12.14	24.59	26.47	34.84	1612	279	249	0.69	0.07	0.69	0.07	335	0.69	0.07	0.69	0.07
Q8U05ZC	250 MCM AL	220	23-#12	13.28	25.98	27.86	36.24	1876	305	280	0.56	0.07	0.56	0.07	374	0.56	0.07	0.56	0.07
Q8V05ZC	350 MCM AL	220	33-#12	15.72	28.42	30.76	39.13	2421	330	332	0.42	0.07	0.42	0.07	440	0.42	0.07	0.42	0.07
15kV 133% Aluminum Three Phase - One-Third Neutral																			
Q8L04ZC	2 SOLID AL	220	6-#16	6.55	19.10	20.98	27.83	727	229	129	1.08	0.18	3.02	0.11	176	1.11	0.34	2.96	0.11
Q8M04ZC	2 AWG AL	220	6-#16	6.81	19.25	21.13	27.98	734	229	128	1.10	0.18	3.04	0.11	175	1.13	0.34	2.98	0.11
Q8N04ZC	1 SOLID AL	220	7-#16	7.34	19.89	21.77	28.62	774	254	147	0.86	0.17	2.80	0.10	200	0.88	0.33	2.74	0.10
Q8O04ZC	1 AWG AL	220	7-#16	7.65	20.09	21.97	28.82	785	254	146	0.87	0.17	2.82	0.10	199	0.90	0.33	2.76	0.10
Q8P04ZC	1/0 SOLID AL	220	9-#16	8.26	20.80	22.68	29.53	831	254	167	0.68	0.16	2.63	0.10	226	0.70	0.32	2.57	0.10
Q8Q04ZC	1/0 AWG AL	220	10-#16	8.59	21.03	22.91	29.76	855	254	166	0.70	0.16	2.45	0.10	224	0.72	0.32	2.40	0.10
Q8R04ZC	2/0 AWG AL	220	11-#16	9.60	22.05	23.93	30.77	956	254	188	0.55	0.16	2.15	0.09	254	0.58	0.31	2.11	0.09
Q8S04ZC	3/0 AWG AL	220	14-#16	10.82	23.27	25.15	31.99	1057	279	215	0.44	0.15	1.69	0.09	286	0.47	0.30	1.66	0.09
Q8T04ZC	4/0 AWG AL	220	17-#16	12.14	24.59	26.47	33.31	1143	279	243	0.35	0.15	1.38	0.08	320	0.39	0.29	1.36	0.08
Q8U04ZC	250 MCM AL	220	21-#16	13.28	25.98	27.86	34.71	1349	279	267	0.30	0.14	1.13	0.08	345	0.34	0.28	1.12	0.08
Q8V04ZC	350 MCM AL	220	27-#16	15.72	28.42	30.76	37.61	1670	305	321	0.22	0.13	0.86	0.07	400	0.27	0.26	0.86	0.07
Q8W04ZC	500 MCM AL	220	25-#14	18.80	31.50	33.83	41.36	2174	356	388	0.16	0.13	0.58	0.07	454	0.22	0.23	0.58	0.07
Q8X04ZC	750 MCM AL	220	24-#12	23.11	36.07	38.40	48.35	3111	406	472	0.11	0.12	0.39	0.06	513	0.18	0.19	0.39	0.06
Q8Y04ZC	1000 MCM AL	220	31-#12	26.92	39.88	43.08	53.03	3892	432	534	0.09	0.12	0.30	0.06	558	0.16	0.16	0.30	0.06

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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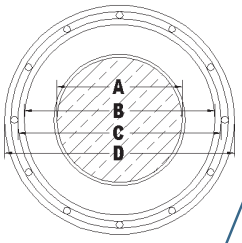
15kV TRXLPE SUPERDRI® CSA

133% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
15kV 133% Copper Single Phase - Full Neutral																			
Q8305ZC	2 SOLID CU	220	16-#14	6.55	19.10	20.98	28.50	1159	229	162	1.34	0.10	1.34	0.10	222	1.34	0.10	1.34	0.10
Q8405ZC	2 AWG CU	220	16-#14	6.81	19.25	21.13	28.66	1168	254	163	1.35	0.10	1.35	0.10	223	1.35	0.10	1.35	0.10
Q8505ZC	1 SOLID CU	220	13-#12	7.34	19.89	21.77	30.14	1380	254	187	1.04	0.10	1.04	0.10	255	1.04	0.10	1.04	0.10
Q8605ZC	1 AWG CU	220	13-#12	7.59	20.04	21.92	30.29	1395	254	189	1.06	0.09	1.06	0.09	257	1.06	0.09	1.06	0.09
Q8705ZC	1/0 SOLID CU	220	16-#12	8.26	20.80	22.68	31.05	1595	254	212	0.84	0.09	0.84	0.09	289	0.84	0.09	0.84	0.09
Q8805ZC	1/0 AWG CU	220	16-#12	8.59	21.03	22.91	31.28	1613	254	214	0.85	0.09	0.85	0.09	291	0.85	0.09	0.85	0.09
Q8905ZC	2/0 AWG CU	220	20-#12	9.60	22.05	23.93	32.30	1884	279	247	0.67	0.08	0.67	0.08	333	0.67	0.08	0.67	0.08
Q8A05ZC	3/0 AWG CU	220	26-#12	10.82	23.27	25.15	33.52	2245	279	280	0.53	0.08	0.53	0.08	377	0.53	0.08	0.53	0.08
Q8B05ZC	4/0 AWG CU	220	32-#12	12.14	24.59	26.47	34.84	2665	279	320	0.43	0.08	0.43	0.08	429	0.43	0.08	0.43	0.08
15kV 133% Copper Three Phase - One-Third Neutral																			
Q8304ZC	2 SOLID CU	220	9-#16	6.55	19.10	20.98	27.83	950	229	165	0.66	0.17	2.44	0.10	227	0.69	0.34	2.39	0.10
Q8404ZC	2 AWG CU	220	9-#16	6.81	19.25	21.13	27.98	959	229	165	0.67	0.17	2.45	0.10	227	0.70	0.34	2.40	0.10
Q8504ZC	1 SOLID CU	220	11-#16	7.34	19.89	21.77	28.62	1073	254	188	0.52	0.17	2.05	0.09	256	0.56	0.33	2.01	0.09
Q8604ZC	1 AWG CU	220	11-#16	7.59	20.04	21.92	28.77	1087	254	188	0.53	0.16	2.06	0.09	257	0.57	0.32	2.03	0.09
Q8704ZC	1/0 SOLID CU	220	14-#16	8.26	20.80	22.68	29.53	1235	254	213	0.41	0.16	1.60	0.09	287	0.46	0.32	1.58	0.09
Q8804ZC	1/0 AWG CU	220	14-#16	8.59	21.03	22.91	29.76	1252	254	214	0.42	0.16	1.61	0.09	288	0.46	0.31	1.59	0.09
Q8904ZC	2/0 AWG CU	220	17-#16	9.60	22.05	23.93	30.77	1442	254	242	0.34	0.15	1.31	0.08	322	0.39	0.30	1.29	0.08
Q8A04ZC	3/0 AWG CU	220	21-#16	10.82	23.27	25.15	31.99	1684	279	275	0.27	0.14	1.03	0.08	356	0.33	0.28	1.02	0.08
Q8B04ZC	4/0 AWG CU	220	27-#16	12.14	24.59	26.47	33.31	1989	279	311	0.22	0.14	0.81	0.07	390	0.28	0.26	0.80	0.07
Q8C04ZC	250 MCM CU	220	21-#14	13.28	25.98	27.86	35.39	2341	305	342	0.19	0.14	0.70	0.07	417	0.26	0.25	0.69	0.07
Q8D04ZC	350 MCM CU	220	28-#14	15.72	28.42	30.76	38.28	3039	330	406	0.14	0.13	0.50	0.06	465	0.22	0.22	0.50	0.06
Q8E04ZC	500 MCM CU	220	26-#12	18.77	31.47	33.81	42.18	4128	356	478	0.11	0.12	0.34	0.06	514	0.19	0.18	0.34	0.06
Q8F04XC	750 MCM CU	220	25-#10	24.59	37.54	39.88	50.90	6165	432	557	0.08	0.11	0.24	0.05	575	0.15	0.14	0.24	0.05
Q8G04XC	1000 MCM CU	220	32-#10	28.37	41.33	44.53	55.55	7894	457	605	0.07	0.11	0.18	0.05	627	0.13	0.12	0.18	0.05

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

††Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

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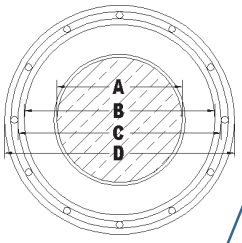
25kV TRXLPE SUPERDRI® CSA

100% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
25kV 100% Aluminum Single Phase – Full Neutral																			
Q9N05ZC	1 SOLID AL	260	13-#14	7.34	21.97	23.85	31.37	1042	254	149	1.70	0.11	1.70	0.11	197	1.70	0.11	1.70	0.11
Q9O05ZC	1 AWG AL	260	13-#14	7.65	22.17	24.05	31.58	1055	254	150	1.72	0.10	1.72	0.11	198	1.72	0.10	1.72	0.11
Q9P05ZC	1/0 SOLID AL	260	16-#14	8.26	22.89	24.77	32.29	1158	279	169	1.36	0.10	1.36	0.10	223	1.36	0.10	1.36	0.10
Q9Q05ZC	1/0 AWG AL	260	16-#14	8.59	23.11	24.99	32.52	1172	279	170	1.38	0.10	1.38	0.10	225	1.38	0.10	1.38	0.10
Q9R05ZC	2/0 AWG AL	260	13-#12	9.60	24.13	26.01	34.38	1368	279	196	1.08	0.09	1.08	0.10	258	1.08	0.09	1.08	0.10
Q9S05ZC	3/0 AWG AL	260	16-#12	10.82	25.35	27.23	35.60	1550	305	226	0.86	0.09	0.86	0.09	292	0.86	0.09	0.86	0.09
Q9T05ZC	4/0 AWG AL	260	20-#12	12.14	26.67	29.01	37.38	1752	305	253	0.69	0.09	0.69	0.09	332	0.69	0.09	0.69	0.09
Q9U05ZC	250 MCM AL	260	23-#12	13.28	28.07	30.40	38.78	2021	330	284	0.56	0.08	0.56	0.08	370	0.56	0.08	0.56	0.08
Q9V05ZC	350 MCM AL	260	33-#12	15.72	30.51	32.84	41.21	2545	330	336	0.42	0.08	0.42	0.08	433	0.42	0.08	0.42	0.08
25kV 100% Aluminum Three Phase – One-Third Neutral																			
Q9N04ZC	1 SOLID AL	260	7-#16	7.34	21.97	23.85	30.70	876	254	148	0.86	0.18	2.60	0.11	198	0.88	0.33	2.55	0.11
Q9O04ZC	1 AWG AL	260	7-#16	7.65	22.17	24.05	30.90	888	254	147	0.87	0.18	2.62	0.11	197	0.90	0.33	2.57	0.11
Q9P04ZC	1/0 SOLID AL	260	9-#16	8.26	22.89	24.77	31.61	935	254	168	0.68	0.17	2.43	0.10	224	0.71	0.32	2.38	0.10
Q9Q04ZC	1/0 AWG AL	260	9-#16	8.59	23.11	24.99	31.84	935	279	167	0.70	0.17	2.44	0.10	223	0.72	0.32	2.39	0.10
Q9R04ZC	2/0 AWG AL	260	11-#16	9.60	24.13	26.01	32.86	1033	279	189	0.55	0.16	2.14	0.10	252	0.58	0.31	2.10	0.10
Q9S04ZC	3/0 AWG AL	260	14-#16	10.82	25.35	27.23	34.08	1155	279	216	0.44	0.16	1.69	0.09	284	0.47	0.30	1.66	0.09
Q9T04ZC	4/0 AWG AL	260	17-#16	12.14	26.67	29.01	35.85	1278	305	245	0.35	0.15	1.38	0.09	318	0.39	0.29	1.36	0.09
Q9U04ZC	250 MCM AL	260	21-#16	13.28	28.07	30.40	37.25	1491	305	269	0.30	0.15	1.13	0.08	344	0.34	0.28	1.11	0.08
Q9V04ZC	350 MCM AL	260	27-#16	15.72	30.51	32.84	39.69	1788	330	322	0.22	0.14	0.86	0.08	399	0.27	0.26	0.85	0.08
Q9W04ZC	500 MCM AL	260	25-#14	18.80	33.58	35.92	45.01	2400	381	389	0.16	0.13	0.58	0.07	453	0.22	0.23	0.58	0.07
Q9X04ZC	750 MCM AL	260	24-#12	23.11	38.15	40.49	50.43	3261	406	473	0.11	0.13	0.39	0.06	515	0.18	0.19	0.39	0.06
Q9Y04ZC	1000 MCM AL	260	31-#12	26.92	41.96	45.16	55.11	4057	457	536	0.09	0.12	0.30	0.06	560	0.16	0.17	0.30	0.06

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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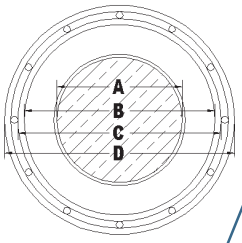
25kV TRXLPE SUPERDRI® CSA

100% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
25kV 100% Copper Single Phase – Full Neutral																			
Q9505ZC	1 SOLID CU	260	13-#12	7.34	21.97	23.85	32.22	1477	279	191	1.04	0.11	1.04	0.11	253	1.04	0.11	1.04	0.11
Q9605ZC	1 AWG CU	260	13-#12	7.59	22.12	24.00	32.37	1492	279	192	1.06	0.11	1.06	0.11	254	1.06	0.11	1.06	0.11
Q9705ZC	1/0 SOLID CU	260	16-#12	8.26	22.89	24.77	33.14	1695	279	217	0.84	0.10	0.84	0.10	286	0.84	0.10	0.84	0.10
Q9805ZC	1/0 AWG CU	260	16-#12	8.59	23.11	24.99	33.37	1708	279	218	0.85	0.10	0.85	0.10	288	0.85	0.10	0.85	0.10
Q9905ZC	2/0 AWG CU	260	20-#12	9.60	24.13	26.01	34.38	1987	279	251	0.67	0.10	0.67	0.10	330	0.67	0.10	0.67	0.10
Q9A05ZC	3/0 AWG CU	260	26-#12	10.82	25.35	27.23	35.60	2359	305	285	0.53	0.09	0.53	0.09	373	0.53	0.09	0.53	0.09
Q9B05ZC	4/0 AWG CU	260	32-#12	12.14	26.67	29.01	37.38	2805	305	325	0.43	0.09	0.43	0.09	424	0.43	0.09	0.43	0.09
25kV 100% Copper Three Phase - One-Third Neutral																			
Q9504ZC	1 SOLID CU	260	11-#16	7.34	21.97	23.85	30.70	1164	254	190	0.52	0.18	2.04	0.11	252	0.55	0.33	1.99	0.11
Q9604ZC	1 AWG CU	260	11-#16	7.59	22.12	24.00	30.85	1179	254	190	0.53	0.17	2.05	0.11	252	0.56	0.32	2.01	0.11
Q9704ZC	1/0 SOLID CU	260	14-#16	8.26	22.89	24.77	31.61	1330	254	216	0.41	0.17	1.60	0.10	283	0.45	0.32	1.56	0.10
Q9804ZC	1/0 AWG CU	260	14-#16	8.59	23.11	24.99	31.84	1347	279	216	0.42	0.17	1.61	0.10	284	0.46	0.31	1.58	0.10
Q9904ZC	2/0 AWG CU	260	17-#16	9.60	24.13	26.01	32.86	1541	279	245	0.34	0.16	1.31	0.09	318	0.38	0.30	1.28	0.09
Q9A04ZC	3/0 AWG CU	260	21-#16	10.82	25.35	27.23	34.08	1786	279	279	0.27	0.16	1.03	0.09	353	0.32	0.28	1.02	0.09
Q9B04ZC	4/0 AWG CU	260	27-#16	12.14	26.67	29.01	35.85	2123	305	315	0.22	0.15	0.81	0.08	388	0.28	0.27	0.80	0.08
Q9C04ZC	250 MCM CU	260	21-#14	13.28	28.07	30.40	37.93	2483	305	346	0.19	0.15	0.69	0.08	416	0.25	0.26	0.69	0.08
Q9D04ZC	350 MCM CU	260	28-#14	15.72	30.51	32.84	40.37	3160	330	409	0.14	0.14	0.50	0.07	465	0.21	0.23	0.50	0.07
Q9E04ZC	500 MCM CU	260	26-#12	18.77	33.55	35.89	45.84	4364	381	481	0.11	0.13	0.34	0.07	515	0.18	0.19	0.34	0.07
Q9F04XC	750 MCM CU	260	25-#10	24.59	39.62	42.82	53.85	6405	432	564	0.08	0.12	0.24	0.06	581	0.15	0.15	0.24	0.06
Q9G04XC	1000 MCM CU	260	32-#10	28.37	43.41	46.61	57.63	8068	483	612	0.07	0.11	0.18	0.06	632	0.13	0.12	0.18	0.06

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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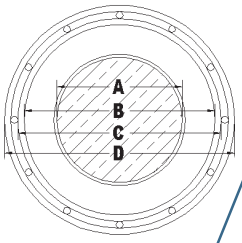
25kV TRXLPE SUPERDRI® CSA

133% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm)	Insulation Diameter (mm)	Insulation Shield Diameter (mm)	Jacket Diameter (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- Sequence Impedance Reactance (Ω/km)	Zero Sequence Impedance Resistance (Ω/km)††	Zero Sequence Impedance Reactance (Ω/km)††	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- Sequence Impedance Reactance (Ω/km)	Zero Sequence Impedance Resistance (Ω/km)††	Zero Sequence Impedance Reactance (Ω/km)††
				(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
25kV 133% Aluminum Single Phase – Full Neutral																			
QAN05ZC	1 SOLID AL	320	13-#14	7.34	25.12	27.00	34.52	1196	279	149	1.70	0.11	1.70	0.11	197	1.70	0.11	1.70	0.11
QAO05ZC	1 AWG AL	320	13-#14	7.65	25.32	27.20	34.73	1209	279	150	1.72	0.10	1.72	0.11	198	1.72	0.10	1.72	0.11
QAP05ZC	1/0 SOLID AL	320	16-#14	8.26	26.04	27.91	35.44	1315	305	169	1.36	0.10	1.36	0.10	223	1.36	0.10	1.36	0.10
QAQ05ZC	1/0 AWG AL	320	16-#14	8.59	26.26	28.60	36.12	1359	305	170	1.38	0.10	1.38	0.10	225	1.38	0.10	1.38	0.10
QAR05ZC	2/0 AWG AL	320	13-#12	9.60	27.28	29.62	37.99	1565	305	196	1.08	0.09	1.08	0.10	258	1.08	0.09	1.08	0.10
QAS05ZC	3/0 AWG AL	320	16-#12	10.82	28.50	30.84	39.21	1754	330	226	0.86	0.09	0.86	0.09	292	0.86	0.09	0.86	0.09
QAT05ZC	4/0 AWG AL	320	20-#12	12.14	29.82	32.16	40.53	1934	330	253	0.69	0.09	0.69	0.09	332	0.69	0.09	0.69	0.09
QAU05ZC	250 MCM AL	320	23-#12	13.28	31.22	33.55	41.93	2209	356	284	0.56	0.08	0.56	0.08	370	0.56	0.08	0.56	0.08
QAV05ZC	350 MCM AL	320	33-#12	15.72	33.66	35.99	45.94	2849	381	336	0.42	0.08	0.42	0.08	433	0.42	0.08	0.42	0.08
25kV 133% Aluminum Three Phase – One-Third Neutral																			
QAN04ZC	1 SOLID AL	320	7-#16	7.34	25.12	27.00	33.85	1036	279	149	0.86	0.18	2.43	0.12	196	0.88	0.33	2.39	0.12
QAO04ZC	1 AWG AL	320	7-#16	7.65	25.32	27.20	34.05	1049	279	148	0.87	0.18	2.45	0.12	195	0.90	0.33	2.40	0.12
QAP04ZC	1/0 SOLID AL	320	9-#16	8.26	26.04	27.91	34.76	1099	279	169	0.68	0.18	2.26	0.11	222	0.71	0.32	2.21	0.11
QAQ04ZC	1/0 AWG AL	320	9-#16	8.59	26.26	28.60	35.45	1157	305	168	0.70	0.18	2.15	0.11	220	0.73	0.32	2.10	0.11
QAR04ZC	2/0 AWG AL	320	11-#16	9.60	27.28	29.62	36.46	1233	305	191	0.55	0.17	2.00	0.10	249	0.58	0.31	1.96	0.10
QAS04ZC	3/0 AWG AL	320	14-#16	10.82	28.50	30.84	37.68	1352	305	217	0.44	0.16	1.68	0.10	282	0.47	0.30	1.65	0.10
QAT04ZC	4/0 AWG AL	320	17-#16	12.14	29.82	32.16	39.00	1451	330	246	0.35	0.16	1.38	0.09	316	0.39	0.29	1.35	0.09
QAU04ZC	250 MCM AL	320	21-#16	13.28	31.22	33.55	40.40	1670	330	270	0.30	0.15	1.13	0.09	342	0.34	0.28	1.11	0.09
QAV04ZC	350 MCM AL	320	27-#16	15.72	33.66	35.99	44.41	2074	356	325	0.22	0.15	0.86	0.08	397	0.26	0.26	0.85	0.08
QAW04ZC	500 MCM AL	320	25-#14	18.80	36.73	39.07	48.16	2614	406	391	0.16	0.14	0.58	0.08	453	0.22	0.23	0.57	0.08
QAX04ZC	750 MCM AL	320	24-#12	23.11	41.30	44.50	54.45	3576	457	476	0.11	0.13	0.39	0.07	518	0.18	0.20	0.39	0.07
QAY04ZC	1000 MCM AL	320	31-#12	26.92	45.11	48.31	58.26	4318	483	538	0.09	0.12	0.30	0.06	564	0.16	0.17	0.30	0.06

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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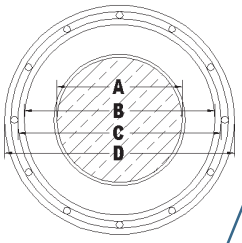
25kV TRXLPE SUPERDRI® CSA

133% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
25kV 133% Copper Single Phase – Full Neutral																			
QA505ZC	1 SOLID CU	320	13-#12	7.34	25.12	27.00	35.37	1634	305	191	1.04	0.11	1.04	0.11	253	1.04	0.11	1.04	0.11
QA605ZC	1 AWG CU	320	13-#12	7.59	25.27	27.15	35.52	1650	305	192	1.06	0.11	1.06	0.11	254	1.06	0.11	1.06	0.11
QA705ZC	1/0 SOLID CU	320	16-#12	8.26	26.04	27.91	36.29	1857	305	217	0.84	0.10	0.84	0.10	286	0.84	0.10	0.84	0.10
QA805ZC	1/0 AWG CU	320	16-#12	8.59	26.26	28.60	36.97	1900	305	218	0.85	0.10	0.85	0.10	288	0.85	0.10	0.85	0.10
QA905ZC	2/0 AWG CU	320	20-#12	9.60	27.28	29.62	37.99	2185	305	251	0.67	0.10	0.67	0.10	330	0.67	0.10	0.67	0.10
QAA05ZC	3/0 AWG CU	320	26-#12	10.82	28.50	30.84	39.21	2563	330	285	0.53	0.09	0.53	0.09	373	0.53	0.09	0.53	0.09
QAB05ZC	4/0 AWG CU	320	32-#12	12.14	29.82	32.16	40.53	2987	330	325	0.43	0.09	0.43	0.09	424	0.43	0.09	0.43	0.09
25kV 133% Copper Three Phase – One-Third Neutral																			
QA504ZC	1 SOLID CU	320	11-#16	7.34	25.12	27.00	33.85	1315	279	190	0.52	0.18	2.04	0.11	252	0.55	0.33	1.99	0.11
QA604ZC	1 AWG CU	320	11-#16	7.59	25.27	27.15	34.00	1330	279	190	0.53	0.17	2.05	0.11	252	0.56	0.32	2.01	0.11
QA704ZC	1/0 SOLID CU	320	14-#16	8.26	26.04	27.91	34.76	1484	279	216	0.41	0.17	1.60	0.10	283	0.45	0.32	1.56	0.10
QA804ZC	1/0 AWG CU	320	14-#16	8.59	26.26	28.60	35.45	1531	305	216	0.42	0.17	1.61	0.10	284	0.46	0.31	1.58	0.10
QA904ZC	2/0 AWG CU	320	17-#16	9.60	27.28	29.62	36.46	1730	305	245	0.34	0.16	1.31	0.09	318	0.38	0.30	1.28	0.09
QAA04ZC	3/0 AWG CU	320	21-#16	10.82	28.50	30.84	37.68	1982	305	279	0.27	0.16	1.03	0.09	353	0.32	0.28	1.02	0.09
QAB04ZC	4/0 AWG CU	320	27-#16	12.14	29.82	32.16	39.00	2298	330	315	0.22	0.15	0.81	0.08	388	0.28	0.27	0.80	0.08
QAC04ZC	250 MCM CU	320	21-#14	13.28	31.22	33.55	41.08	2667	330	346	0.19	0.15	0.69	0.08	416	0.25	0.26	0.69	0.08
QAD04ZC	350 MCM CU	320	28-#14	15.72	33.66	35.99	45.09	3457	381	409	0.14	0.14	0.50	0.07	465	0.21	0.23	0.50	0.07
QAE04ZC	500 MCM CU	320	26-#12	18.77	36.70	39.04	48.99	4585	406	481	0.11	0.13	0.34	0.07	515	0.18	0.19	0.34	0.07
QAF04XC	750 MCM CU	320	25-#10	24.59	42.77	45.97	57.00	6663	457	564	0.08	0.12	0.24	0.06	581	0.15	0.15	0.24	0.06
QAG04XC	1000 MCM CU	320	32-#10	28.37	46.56	49.76	60.78	8343	508	612	0.07	0.11	0.18	0.06	632	0.13	0.12	0.18	0.06

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

††Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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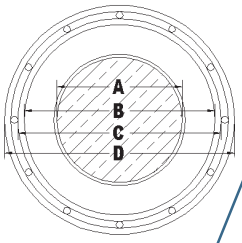
28kV TRXLPE SUPERDRI® CSA

100% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
28kV 100% Aluminum Single Phase – Full Neutral																			
QVN05ZC	1 SOLID AL	280	13-#14	7.34	23.04	24.92	32.44	1093	279	149	1.70	0.11	1.70	0.11	197	1.70	0.11	1.70	0.11
QVO05ZC	1 AWG AL	280	13-#14	7.65	23.24	25.12	32.64	1105	279	149	1.72	0.11	1.72	0.11	197	1.72	0.11	1.72	0.11
QVP05ZC	1/0 SOLID AL	280	16-#14	8.26	23.95	25.83	33.36	1209	279	169	1.36	0.10	1.36	0.11	223	1.36	0.10	1.36	0.11
QVQ05ZC	1/0 AWG AL	280	16-#14	8.59	24.18	26.06	33.58	1224	279	169	1.38	0.10	1.38	0.11	222	1.38	0.10	1.38	0.11
QVR05ZC	2/0 AWG AL	280	13-#12	9.60	25.20	27.08	35.45	1423	305	195	1.08	0.10	1.08	0.10	255	1.08	0.10	1.08	0.10
QVS05ZC	3/0 AWG AL	280	16-#12	10.82	26.42	28.75	37.12	1637	305	221	0.86	0.10	0.86	0.10	289	0.86	0.10	0.86	0.10
QVT05ZC	4/0 AWG AL	280	20-#12	12.14	27.74	30.07	38.45	1812	330	251	0.69	0.09	0.69	0.09	328	0.69	0.09	0.69	0.09
QVU05ZC	250 MCM AL	280	23-#12	13.28	29.13	31.47	39.84	2083	330	275	0.59	0.09	0.59	0.09	359	0.59	0.09	0.59	0.09
QVV05ZC	350 MCM AL	280	33-#12	15.72	31.57	33.91	42.28	2612	356	335	0.42	0.08	0.42	0.08	435	0.42	0.08	0.42	0.08
28kV 100% Aluminum Three Phase – One-Third Neutral																			
QVN04ZC	1 SOLID AL	280	7-#16	7.34	23.04	24.92	31.77	925	279	148	0.86	0.18	2.53	0.11	197	0.88	0.33	2.48	0.11
QVO04ZC	1 AWG AL	280	7-#16	7.65	23.24	25.12	31.97	937	279	147	0.87	0.18	2.55	0.11	196	0.90	0.33	2.50	0.11
QVP04ZC	1/0 SOLID AL	280	9-#16	8.26	23.95	25.83	32.68	997	279	168	0.68	0.17	2.20	0.11	223	0.71	0.32	2.16	0.11
QVQ04ZC	1/0 AWG AL	280	9-#16	8.59	24.18	26.06	32.91	1011	279	167	0.70	0.17	2.22	0.11	222	0.73	0.32	2.18	0.11
QVR04ZC	2/0 AWG AL	280	11-#16	9.60	25.20	27.08	33.92	1085	279	190	0.55	0.17	2.08	0.10	251	0.58	0.31	2.04	0.10
QVS04ZC	3/0 AWG AL	280	14-#16	10.82	26.42	28.75	35.60	1240	305	217	0.44	0.16	1.64	0.10	283	0.47	0.30	1.61	0.10
QVT04ZC	4/0 AWG AL	280	17-#16	12.14	27.74	30.07	36.92	1335	305	245	0.35	0.15	1.34	0.09	317	0.39	0.29	1.32	0.09
QVU04ZC	250 MCM AL	280	21-#16	13.28	29.13	31.47	38.32	1560	330	269	0.30	0.15	1.10	0.09	342	0.34	0.28	1.08	0.09
QVV04ZC	350 MCM AL	280	27-#16	15.72	31.57	33.91	40.76	1851	330	323	0.22	0.14	0.84	0.08	398	0.27	0.26	0.83	0.08
QVW04ZC	500 MCM AL	280	25-#14	18.80	34.65	36.98	46.08	2471	381	390	0.16	0.14	0.58	0.07	453	0.22	0.23	0.57	0.07
QVX04ZC	750 MCM AL	280	24-#12	23.11	39.22	42.42	52.36	3414	432	474	0.11	0.13	0.38	0.07	515	0.18	0.19	0.38	0.07
QVY04ZC	1000 MCM AL	280	31-#12	26.92	43.03	46.23	56.17	4144	457	536	0.09	0.12	0.29	0.06	561	0.16	0.17	0.29	0.06

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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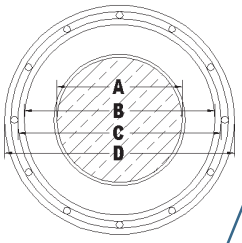
137 Commerce Drive | Johnstown, Ontario K0E 1T1

PDN-0031-1215

A brand of the Prysmian Group

28kV TRXLPE SUPERDRI® CSA

100% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm)	Insulation Diameter (mm)	Insulation Shield Diameter (mm)	Jacket Diameter (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct					90°C Direct Buried				
				(A)	(B)	(C)	(D)			†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- Sequence Impedance Reactance (Ω/km)	Zero Sequence Impedance Resistance (Ω/km)††	Zero Sequence Impedance Reactance (Ω/km)††	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- Sequence Impedance Reactance (Ω/km)	Zero Sequence Impedance Resistance (Ω/km)††	Zero Sequence Impedance Reactance (Ω/km)††
28kV 100% Copper Single Phase – Full Neutral																			
QV505ZC	1 SOLID CU	280	13-#12	7.34	23.04	24.92	33.29	1528	279	192	1.04	0.11	1.04	0.11	252	1.04	0.11	1.04	0.11
QV605ZC	1 AWG CU	280	13-#12	7.59	23.19	25.07	33.44	1544	279	192	1.06	0.11	1.06	0.11	251	1.06	0.11	1.06	0.11
QV705ZC	1/0 SOLID CU	280	16-#12	8.26	23.95	25.83	34.20	1748	279	217	0.84	0.11	0.84	0.11	286	0.84	0.11	0.84	0.11
QV805ZC	1/0 AWG CU	280	16-#12	8.59	24.18	26.06	34.43	1762	279	217	0.85	0.11	0.85	0.11	285	0.85	0.11	0.85	0.11
QV905ZC	2/0 AWG CU	280	20-#12	9.60	25.20	27.08	35.45	2042	305	246	0.68	0.10	0.68	0.10	324	0.68	0.10	0.68	0.10
QVA05ZC	3/0 AWG CU	280	26-#12	10.82	26.42	28.75	37.12	2445	305	283	0.53	0.10	0.53	0.10	370	0.53	0.10	0.53	0.10
QVB05ZC	4/0 AWG CU	280	32-#12	12.14	27.74	30.07	38.45	2865	330	320	0.42	0.09	0.42	0.09	419	0.42	0.09	0.42	0.09
28kV 100% Copper Three Phase - One-Third Neutral																			
QV504ZC	1 SOLID CU	280	11-#16	7.34	23.04	24.92	31.77	1214	279	190	0.52	0.18	2.04	0.11	251	0.55	0.33	2.00	0.11
QV604ZC	1 AWG CU	280	11-#16	7.59	23.19	25.07	31.92	1229	279	189	0.53	0.18	2.05	0.11	249	0.56	0.33	2.01	0.11
QV704ZC	1/0 SOLID CU	280	14-#16	8.26	23.95	25.83	32.68	1380	279	216	0.41	0.17	1.61	0.11	282	0.45	0.32	1.58	0.11
QV804ZC	1/0 AWG CU	280	14-#16	8.59	24.18	26.06	32.91	1398	279	214	0.42	0.17	1.62	0.11	281	0.46	0.32	1.59	0.11
QV904ZC	2/0 AWG CU	280	17-#16	9.60	25.20	27.08	33.92	1593	279	243	0.34	0.17	1.32	0.10	314	0.38	0.30	1.30	0.10
QVA04ZC	3/0 AWG CU	280	21-#16	10.82	26.42	28.75	35.60	1869	305	276	0.27	0.16	1.07	0.10	350	0.32	0.29	1.05	0.10
QVB04ZC	4/0 AWG CU	280	27-#16	12.14	27.74	30.07	36.92	2181	305	312	0.22	0.15	0.84	0.09	385	0.27	0.28	0.83	0.09
QVC04ZC	250 MCM CU	280	21-#14	13.28	29.13	31.47	38.99	2544	330	342	0.19	0.15	0.69	0.09	411	0.25	0.26	0.68	0.09
QVD04ZC	350 MCM CU	280	28-#14	15.72	31.57	33.91	41.43	3224	356	406	0.14	0.14	0.51	0.08	463	0.21	0.23	0.51	0.08
QVE04ZC	500 MCM CU	280	26-#12	18.77	34.62	36.96	46.90	4437	381	477	0.11	0.13	0.35	0.07	511	0.18	0.19	0.35	0.07
QVF04XC	750 MCM CU	280	25-#10	24.59	40.69	43.89	54.91	6491	457	561	0.08	0.12	0.23	0.07	580	0.15	0.15	0.23	0.07
QVG04XC	1000 MCM CU	280	32-#10	28.37	44.48	47.68	58.70	8159	483	612	0.07	0.11	0.18	0.06	631	0.13	0.12	0.18	0.06

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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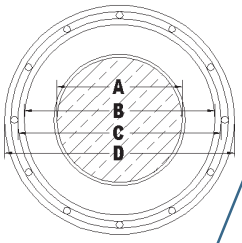
28kV TRXLPE SUPERDRI® CSA

133% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
28kV 133% Aluminum Single Phase – Full Neutral																			
QBP05ZC	1/0 SOLID AL	345	16-#14	8.26	27.41	29.74	37.27	1418	305	169	1.36	0.10	1.36	0.11	223	1.36	0.10	1.36	0.11
QBQ05ZC	1/0 AWG AL	345	16-#14	8.59	27.64	29.97	37.50	1434	305	169	1.38	0.10	1.38	0.11	222	1.38	0.10	1.38	0.11
QBR05ZC	2/0 AWG AL	345	13-#12	9.60	28.65	30.99	39.36	1648	330	195	1.08	0.10	1.08	0.10	255	1.08	0.10	1.08	0.10
QBS05ZC	3/0 AWG AL	345	16-#12	10.82	29.87	32.21	40.58	1835	330	221	0.86	0.10	0.86	0.10	289	0.86	0.10	0.86	0.10
QBT05ZC	4/0 AWG AL	345	20-#12	12.14	31.19	33.53	41.90	2012	356	251	0.69	0.09	0.69	0.09	328	0.69	0.09	0.69	0.09
QBU05ZC	250 MCM AL	345	23-#12	13.28	32.59	34.93	44.87	2397	381	275	0.59	0.09	0.59	0.09	359	0.59	0.09	0.59	0.09
QBV05ZC	350 MCM AL	345	33-#12	15.72	35.03	37.36	47.31	2943	381	335	0.42	0.08	0.42	0.08	435	0.42	0.08	0.42	0.08
28kV 133% Aluminum Three Phase – One-Third Neutral																			
QBP04ZC	1/0 SOLID AL	345	9-#16	8.26	27.41	29.74	36.59	1214	305	170	0.68	0.18	2.07	0.12	221	0.71	0.32	2.03	0.12
QBQ04ZC	1/0 AWG AL	345	9-#16	8.59	27.64	29.97	36.82	1230	305	169	0.70	0.18	2.09	0.12	219	0.3	0.32	2.04	0.11
QBR04ZC	2/0 AWG AL	345	11-#16	9.60	28.65	30.99	37.84	1320	305	191	0.55	0.17	1.84	0.11	248	0.58	0.31	1.80	0.11
QBS04ZC	3/0 AWG AL	345	14-#16	10.82	29.87	32.21	39.06	1431	330	218	0.44	0.17	1.63	0.10	281	0.47	0.30	1.60	0.10
QBT04ZC	4/0 AWG AL	345	17-#16	12.14	31.19	33.53	40.38	1531	330	247	0.35	0.16	1.33	0.10	315	0.39	0.29	1.31	0.10
QBU04ZC	250 MCM AL	345	21-#16	13.28	32.59	34.93	41.77	1752	356	271	0.30	0.16	1.09	0.09	340	0.34	0.28	1.08	0.09
QBV04ZC	350 MCM AL	345	27-#16	15.72	35.03	37.36	45.79	2164	381	325	0.22	0.15	0.83	0.09	395	0.26	0.26	0.82	0.09
QBW04ZC	500 MCM AL	345	25-#14	18.80	38.10	40.44	49.54	2691	406	391	0.16	0.14	0.58	0.08	453	0.22	0.23	0.57	0.08
QBX04ZC	750 MCM AL	345	24-#12	23.11	42.67	45.87	55.82	3687	457	475	0.11	0.13	0.38	0.07	518	0.18	0.120	0.38	0.07
QBY04ZC	1000 MCM AL	345	31-#12	26.92	46.48	49.68	59.63	4436	483	538	0.09	0.12	0.29	0.07	564	0.16	0.17	0.29	0.07

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

††Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

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Single Phase Impedance Values Assume Full Return in the Metallic Shield.

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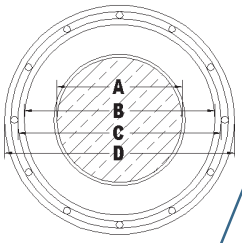
28kV TRXLPE SUPERDRI® CSA

133% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm)	Insulation Diameter (mm)	Insulation Shield Diameter (mm)	Jacket Diameter (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
				(A)	(B)	(C)	(D)												
28kV 133% Copper Single Phase – Full Neutral																			
QB705ZC	1/0 SOLID CU	345	16-#12	8.26	27.41	29.74	38.12	1961	330	217	0.84	0.11	0.84	0.11	286	0.84	0.11	0.84	0.11
QB805ZC	1/0 AWG CU	345	16-#12	8.59	27.64	29.97	38.34	1981	330	217	0.85	0.11	0.85	0.11	285	0.85	0.11	0.85	0.11
QB905ZC	2/0 AWG CU	345	20-#12	9.60	28.65	30.99	39.36	2263	330	246	0.68	0.10	0.68	0.10	324	0.68	0.10	0.68	0.10
QBA05ZC	3/0 AWG CU	345	26-#12	10.82	29.87	32.21	40.58	2644	330	283	0.53	0.10	0.53	0.10	370	0.53	0.10	0.53	0.10
QBB05ZC	4/0 AWG CU	345	32-#12	12.14	31.19	33.53	41.90	3070	356	320	0.42	0.09	0.42	0.09	419	0.42	0.09	0.42	0.09
28kV 133% Copper Three Phase – One-Third Neutral																			
QB704ZC	1/0 SOLID CU	345	14-#16	8.26	27.41	29.74	36.59	1585	305	216	0.41	0.17	1.61	0.11	282	0.45	0.32	1.58	0.11
QB804ZC	1/0 AWG CU	345	14-#16	8.59	27.64	29.97	36.82	1602	305	214	0.42	0.17	1.62	0.11	281	0.46	0.32	1.59	0.11
QB904ZC	2/0 AWG CU	345	17-#16	9.60	28.65	30.99	37.84	1805	305	243	0.34	0.17	1.32	0.10	314	0.38	0.30	1.30	0.10
QBA04ZC	3/0 AWG CU	345	21-#16	10.82	29.87	32.21	39.06	2060	330	276	0.27	0.16	1.07	0.10	350	0.32	0.29	1.05	0.10
QBB04ZC	4/0 AWG CU	345	27-#16	12.14	31.19	33.53	40.38	2382	330	312	0.22	0.15	0.84	0.09	385	0.27	0.28	0.83	0.09
QBC04ZC	250 MCM CU	345	21-#14	13.28	32.59	34.93	44.02	2851	356	342	0.19	0.15	0.69	0.09	411	0.25	0.26	0.68	0.09
QBD04ZC	350 MCM CU	345	28-#14	15.72	35.03	37.36	46.46	3549	381	406	0.14	0.14	0.51	0.08	463	0.21	0.23	0.51	0.08
QBE04ZC	500 MCM CU	345	26-#12	18.77	38.07	40.41	50.36	4685	406	477	0.11	0.13	0.35	0.07	511	0.18	0.19	0.35	0.07
QBF04XC	750 MCM CU	345	25-#10	24.59	44.15	47.35	58.37	6780	483	561	0.08	0.12	0.23	0.07	580	0.15	0.15	0.23	0.07
QBG04XC	1000 MCM CU	345	32-#10	28.37	47.93	51.13	62.15	8467	508	612	0.07	0.11	0.18	0.06	631	0.13	0.12	0.18	0.06

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

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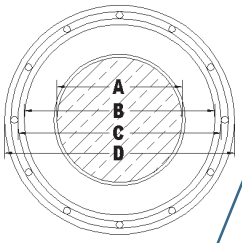
35kV TRXLPE SUPERDRI® CSA

100% Medium Voltage Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm)	Insulation Diameter (mm)	Insulation Shield Diameter (mm)	Jacket Diameter (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- Sequence Impedance Reactance (Ω/km)	Zero Sequence Impedance Resistance (Ω/km)††	Zero Sequence Impedance Reactance (Ω/km)††	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- Sequence Impedance Reactance (Ω/km)	Zero Sequence Impedance Resistance (Ω/km)††	Zero Sequence Impedance Reactance (Ω/km)††
				(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
35kV 100% Aluminum Single Phase – Full Neutral																			
QBP05ZC	1/0 SOLID AL	345	16-#14	8.26	27.41	29.74	37.27	1418	305	172	1.36	0.11	1.36	0.12	222	1.36	0.11	1.36	0.12
QBQ05ZC	1/0 AWG AL	345	16-#14	8.59	27.64	29.97	37.50	1434	305	173	1.38	0.11	1.38	0.11	223	1.38	0.11	1.38	0.11
QBR05ZC	2/0 AWG AL	345	13-#12	9.60	28.65	30.99	39.36	1648	330	199	1.08	0.10	1.08	0.11	255	1.08	0.10	1.08	0.11
QBS05ZC	3/0 AWG AL	345	16-#12	10.82	29.87	32.21	40.58	1835	330	226	0.86	0.10	0.86	0.10	290	0.86	0.10	0.86	0.10
QBT05ZC	4/0 AWG AL	345	20-#12	12.14	31.19	33.53	41.90	2012	356	256	0.69	0.10	0.69	0.10	327	0.69	0.10	0.69	0.10
QBU05ZC	250 MCM AL	345	23-#12	13.28	32.59	34.93	44.87	2397	381	287	0.56	0.09	0.56	0.09	364	0.56	0.09	0.56	0.09
QBV05ZC	350 MCM AL	345	33-#12	15.72	35.03	37.36	47.31	2943	381	340	0.42	0.08	0.42	0.09	431	0.42	0.08	0.42	0.09
35kV 100% Aluminum Three Phase – One-Third Neutral																			
QBP04ZC	1/0 SOLID AL	345	9-#16	8.26	27.41	29.74	36.59	1214	305	170	0.68	0.18	2.07	0.12	221	0.71	0.32	2.03	0.12
QBQ04ZC	1/0 AWG AL	345	9-#16	8.59	27.64	29.97	36.82	1230	305	168	0.70	0.18	2.09	0.12	219	0.73	0.32	2.04	0.12
QBR04ZC	2/0 AWG AL	345	11-#16	9.60	28.65	30.99	37.84	1320	305	191	0.55	0.17	1.84	0.11	248	0.58	0.31	1.80	0.11
QBS04ZC	3/0 AWG AL	345	14-#16	10.82	29.87	32.21	39.06	1431	330	218	0.44	0.17	1.63	0.10	281	0.47	0.30	1.60	0.10
QBT04ZC	4/0 AWG AL	345	17-#16	12.14	31.19	33.53	40.38	1531	330	247	0.35	0.16	1.33	0.10	315	0.39	0.29	1.31	0.10
QBU04ZC	250 MCM AL	345	21-#16	13.28	32.59	34.93	41.77	1752	356	271	0.30	0.16	1.09	0.09	340	0.34	0.28	1.08	0.09
QBV04ZC	350 MCM AL	345	27-#16	15.72	35.03	37.36	45.79	2164	381	325	0.22	0.15	0.83	0.09	395	0.26	0.26	0.82	0.09
QBW04ZC	500 MCM AL	345	25-#14	18.80	38.10	40.44	49.54	2712	406	391	0.16	0.14	0.58	0.08	453	0.22	0.23	0.57	0.08
QBX04ZC	750 MCM AL	345	24-#12	23.11	42.67	45.87	55.82	3687	457	476	0.11	0.13	0.38	0.07	517	0.18	0.20	0.38	0.07
QBY04ZC	1000 MCM AL	345	31-#12	26.92	46.48	49.68	59.63	4436	483	538	0.09	0.12	0.29	0.07	564	0.16	0.17	0.29	0.07

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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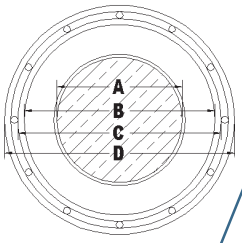
137 Commerce Drive | Johnstown, Ontario K0E 1T1

35kV TRXLPE SUPERDRI® CSA

100% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
35kV 100% Copper Single Phase – Full Neutral																			
QB705ZC	1/0 SOLID CU	345	16-#12	8.26	27.41	29.74	38.12	1961	330	220	0.84	0.12	0.84	0.12	284	0.84	0.12	0.84	0.12
QB805ZC	1/0 AWG CU	345	16-#12	8.59	27.64	29.97	38.34	1981	330	222	0.85	0.11	0.85	0.11	286	0.85	0.11	0.85	0.11
QB905ZC	2/0 AWG CU	345	20-#12	9.60	28.65	30.99	39.36	2263	330	255	0.67	0.11	0.67	0.11	327	0.67	0.11	0.67	0.11
QBA05ZC	3/0 AWG CU	345	26-#12	10.82	29.87	32.21	40.58	2644	330	289	0.53	0.10	0.53	0.10	370	0.53	0.10	0.53	0.10
QBB05ZC	4/0 AWG CU	345	32-#12	12.14	31.19	33.53	41.90	3070	356	329	0.43	0.10	0.43	0.10	418	0.43	0.10	0.43	0.10
35kV 100% Copper Three Phase - One-Third Neutral																			
QB704ZC	1/0 SOLID CU	345	14-#16	8.26	27.41	29.74	36.59	1585	305	218	0.41	0.18	1.59	0.12	280	0.45	0.32	1.56	0.12
QB804ZC	1/0 AWG CU	345	14-#16	8.59	27.64	29.97	36.82	1602	305	219	0.42	0.18	1.60	0.11	281	0.46	0.31	1.57	0.11
QB904ZC	2/0 AWG CU	345	17-#16	9.60	28.65	30.99	37.84	1805	305	248	0.34	0.17	1.30	0.11	315	0.38	0.30	1.28	0.11
QBA04ZC	3/0 AWG CU	345	21-#16	10.82	29.87	32.21	39.06	2060	330	281	0.27	0.16	1.03	0.10	351	0.32	0.29	1.01	0.10
QBB04ZC	4/0 AWG CU	345	27-#16	12.14	31.19	33.53	40.38	2382	330	318	0.22	0.16	0.80	0.09	387	0.27	0.27	0.79	0.09
QBC04ZC	250 MCM CU	345	21-#14	13.28	32.59	34.93	44.02	2851	356	348	0.19	0.16	0.69	0.09	414	0.24	0.26	0.68	0.09
QBD04ZC	350 MCM CU	345	28-#14	15.72	35.03	37.36	46.46	3549	381	412	0.14	0.15	0.50	0.08	466	0.20	0.23	0.50	0.08
QBE04ZC	500 MCM CU	345	26-#12	18.77	38.07	40.41	50.36	4685	406	485	0.11	0.14	0.34	0.08	519	0.18	0.19	0.34	0.08
QBF04XC	750 MCM CU	345	25-#10	24.59	44.15	47.35	58.37	6780	483	568	0.08	0.13	0.24	0.07	586	0.15	0.16	0.24	0.07
QBG04XC	1000 MCM CU	345	32-#10	28.37	47.93	51.13	62.15	8467	508	617	0.07	0.12	0.18	0.07	637	0.13	0.13	0.18	0.07

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

††Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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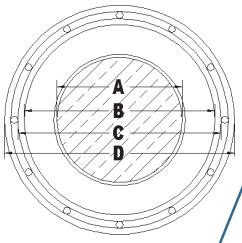
35kV TRXLPE SUPERDRI® CSA

133% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- Sequence Impedance Reactance (Ω/km)	Zero Sequence Impedance Resistance (Ω/km)††	Zero Sequence Impedance Reactance (Ω/km)††	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- Sequence Impedance Reactance (Ω/km)	Zero Sequence Impedance Resistance (Ω/km)††	Zero Sequence Impedance Reactance (Ω/km)††
										90°C In Duct					90°C Direct Buried				
35kV 133% Aluminum Single Phase – Full Neutral																			
QCP05ZC	1/0 SOLID AL	420	16-#14	8.26	31.37	33.71	41.23	1648	330	172	1.36	0.11	1.36	0.12	222	1.36	0.11	1.36	0.12
QCQ05ZC	1/0 AWG AL	420	16-#14	8.59	31.60	33.93	41.46	1662	356	173	1.38	0.11	1.38	0.11	223	1.38	0.11	1.38	0.11
QCR05ZC	2/0 AWG AL	420	13-#12	9.60	32.61	34.95	44.90	1991	381	199	1.08	0.10	1.08	0.11	255	1.08	0.10	1.08	0.11
QCS05ZC	3/0 AWG AL	420	16-#12	10.82	33.83	36.17	46.12	2188	381	226	0.86	0.10	0.86	0.10	290	0.86	0.10	0.86	0.1
QCT05ZC	4/0 AWG AL	420	20-#12	12.14	35.15	37.49	47.44	2381	381	256	0.69	0.10	0.69	0.10	327	0.69	0.10	0.69	0.10
QCU05ZC	250 MCM AL	420	23-#12	13.28	36.55	38.89	48.83	2671	406	287	0.56	0.09	0.56	0.09	364	0.56	0.09	0.56	0.09
QCV05ZC	350 MCM AL	420	33-#12	15.72	38.99	42.19	52.14	3309	432	340	0.42	0.08	0.42	0.09	431	0.42	0.08	0.42	0.09
35kV 133% Aluminum Three Phase – One-Third Neutral																			
QCP04ZC	1/0 SOLID AL	420	9-#16	8.26	31.37	33.71	40.55	1462	330	171	0.68	0.19	1.86	0.12	218	0.71	0.32	1.83	0.12
QCQ04ZC	1/0 AWG AL	420	9-#16	8.59	31.60	33.93	40.78	1479	330	170	0.70	0.19	1.88	0.12	216	0.73	0.32	1.85	0.12
QCR04ZC	2/0 AWG AL	420	11-#16	9.60	32.61	34.95	41.80	1563	356	193	0.55	0.18	1.74	0.12	245	0.58	0.31	1.71	0.12
QCS04ZC	3/0 AWG AL	420	14-#16	10.82	33.83	36.17	44.59	1775	381	220	0.44	0.18	1.55	0.11	277	0.47	0.30	1.52	0.11
QCT04ZC	4/0 AWG AL	420	17-#16	12.14	35.15	37.49	45.91	1875	381	249	0.35	0.17	1.33	0.11	311	0.38	0.29	1.31	0.11
QCU04ZC	250 MCM AL	420	21-#16	13.28	36.55	38.89	47.31	2108	381	273	0.30	0.16	1.09	0.10	337	0.34	0.28	1.07	0.10
QCV04ZC	350 MCM AL	420	27-#16	15.72	38.99	42.19	50.61	2511	406	327	0.22	0.16	0.83	0.09	394	0.26	0.26	0.82	0.09
QCW04ZC	500 MCM AL	420	25-#14	18.80	42.06	45.26	54.36	3086	457	393	0.16	0.15	0.58	0.09	454	0.21	0.24	0.57	0.09
QCX04ZC	750 MCM AL	420	24-#12	23.11	46.63	49.83	59.78	4021	483	478	0.11	0.14	0.38	0.08	520	0.17	0.20	0.38	0.08
QCY04ZC	1000 MCM AL	420	31-#12	26.92	50.44	53.64	63.59	4792	533	540	0.09	0.13	0.29	0.07	568	0.15	0.17	0.29	0.07

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

All metric (SI) dimensions are derived from a soft conversion.

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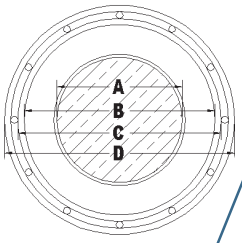
35kV TRXLPE SUPERDRI® CSA

133% Medium Voltage Utility Cables



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
35kV 133% Copper Single Phase – Full Neutral																			
QC705ZC	1/0 SOLID CU	420	16-#12	8.26	31.37	33.71	42.08	2196	356	220	0.84	0.12	0.84	0.12	284	0.84	0.12	0.84	0.12
QC805ZC	1/0 AWG CU	420	16-#12	8.59	31.60	33.93	42.31	2217	356	222	0.85	0.11	0.85	0.11	286	0.85	0.11	0.85	0.11
QC905ZC	2/0 AWG CU	420	20-#12	9.60	32.61	34.95	44.90	2607	381	255	0.67	0.11	0.67	0.11	327	0.67	0.11	0.67	0.11
QCA05ZC	3/0 AWG CU	420	26-#12	10.82	33.83	36.17	46.12	2997	381	289	0.53	0.10	0.53	0.10	370	0.53	0.10	0.53	0.10
QCB05ZC	4/0 AWG CU	420	32-#12	12.14	35.15	37.49	47.44	3425	381	329	0.43	0.10	0.43	0.10	418	0.43	0.10	0.43	0.10
35kV 133% Copper Three Phase – One-Third Neutral																			
QC704ZC	1/0 SOLID CU	420	14-#16	8.26	31.37	33.71	40.55	1811	330	218	0.41	0.18	1.59	0.12	280	0.45	0.32	1.56	0.12
QC804ZC	1/0 AWG CU	420	14-#16	8.59	31.60	33.93	40.78	1831	330	219	0.42	0.18	1.60	0.11	281	0.46	0.31	1.57	0.11
QC904ZC	2/0 AWG CU	420	17-#16	9.60	32.61	34.95	41.80	2038	356	248	0.34	0.17	1.30	0.11	315	0.38	0.30	1.28	0.11
QCA04ZC	3/0 AWG CU	420	21-#16	10.82	33.83	36.17	44.59	2400	381	281	0.27	0.16	1.03	0.10	351	0.32	0.29	1.01	0.10
QCB04ZC	4/0 AWG CU	420	27-#16	12.14	35.15	37.49	45.91	2733	381	318	0.22	0.16	0.80	0.09	387	0.27	0.27	0.79	0.09
QCC04ZC	250 MCM CU	420	21-#14	13.28	36.55	38.89	47.99	3120	406	348	0.19	0.16	0.69	0.09	414	0.24	0.26	0.68	0.09
QCD04ZC	350 MCM CU	420	28-#14	15.72	38.99	42.19	51.29	3909	432	412	0.14	0.15	0.50	0.08	466	0.20	0.23	0.50	0.08
QCE04ZC	500 MCM CU	420	26-#12	18.77	42.04	45.24	55.18	5073	457	485	0.11	0.14	0.34	0.08	519	0.18	0.19	0.34	0.08
QCF04XC	750 MCM CU	420	25-#10	24.59	48.11	51.31	62.33	7132	508	568	0.08	0.13	0.24	0.07	586	0.15	0.16	0.24	0.07
QCG04XC	1000 MCM CU	420	32-#10	28.37	51.89	55.09	66.12	8776	533	617	0.07	0.12	0.18	0.07	637	0.13	0.13	0.18	0.07

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

†† Zero Sequence Impedance considers all return in the neutral only.

Three Phase Operation (1/3 Neutral Design)

In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

PRODUCT NOTES:

The above dimensions are approximate and subject to normal manufacturing tolerances.

Single Phase Impedance Values Assume Full Return in the Metallic Shield.

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