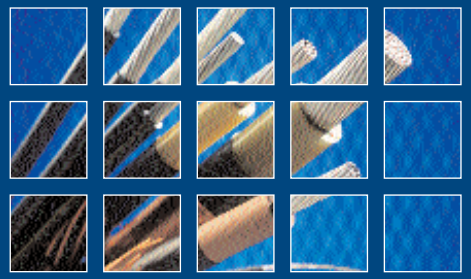
PRYSMIAN CABLES & SYSTEMS

5-46kV TRXLPE URD CSA



2011.03.22

Description

Single conductor cable with 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, black encapsulating linear low-density polyethylene (LLDPE) jacket.

Specifications	Ratings
CSA C68.5	-40°C

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

Design Parameters

Conductor

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

Conductor Shield

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

Insulation

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

Insulation Shield

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

Metallic Shield

- Solid bare copper wires, helically applied and uniformly spaced.

Jacket

- Black insulation sunlight resistant linear low-density polyethylene encapsulating the neutral wires with three extruded red stripes.

Options

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

Installations

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

Prysmian Power Cables and Systems
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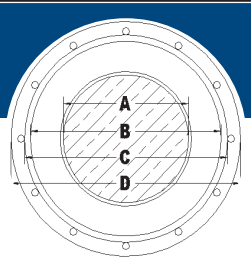

TRXLPE URD CSA

5kV
100% | 133%

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				
5kV 100%/133% Aluminum Single Phase – Full Neutral																			
Q4LØ1ZC	2 SOLID AL	90	10-#14	6.55	12.40	14.27	20.38	545	178	119	2.17	0.08	2.17	0.08	169	2.17	0.08	2.17	0.08
Q4MØ1ZC	2 AWG AL	90	10-#14	6.81	12.55	14.43	20.53	551	178	120	2.20	0.08	2.20	0.08	170	2.20	0.08	2.20	0.08
Q4NØ1ZC	1 SOLID AL	90	13-#14	7.34	13.18	15.06	21.16	638	178	136	1.70	0.08	1.70	0.08	193	1.70	0.08	1.70	0.08
Q4OØ1ZC	1 AWG AL	90	13-#14	7.65	13.39	15.27	21.37	645	178	138	1.72	0.07	1.72	0.07	195	1.72	0.07	1.72	0.07
Q4PØ1ZC	1/0 SOLID AL	90	16-#14	8.26	14.10	15.98	22.08	740	178	155	1.36	0.07	1.36	0.07	219	1.36	0.07	1.36	0.07
Q4QØ1ZC	1/0 AWG AL	90	16-#14	8.59	14.33	16.21	22.31	748	203	156	1.38	0.07	1.38	0.07	220	1.38	0.07	1.38	0.07
Q4RØ1ZC	2/0 AWG AL	90	13-#12	9.60	15.34	17.22	24.17	921	203	181	1.08	0.07	1.08	0.07	251	1.08	0.07	1.08	0.07
Q4SØ1ZC	3/0 AWG AL	90	16-#12	10.82	16.56	18.44	25.39	1081	203	206	0.86	0.06	0.86	0.06	285	0.86	0.06	0.86	0.06
Q4TØ1ZC	4/0 AWG AL	90	20-#12	12.14	17.88	19.76	26.71	1233	229	235	0.69	0.06	0.69	0.06	324	0.69	0.06	0.69	0.06
Q4UØ1ZC	250 MCM AL	90	23-#12	13.28	19.28	21.16	28.11	1487	229	264	0.56	0.06	0.56	0.06	358	0.56	0.06	0.56	0.06
Q4VØ1ZC	350 MCM AL	90	33-#12	15.72	21.72	23.60	30.55	1977	254	313	0.42	0.06	0.42	0.05	423	0.42	0.06	0.42	0.05
5kV 100%/133% Aluminum Three Phase – One-Third Neutral																			
Q4LØØZC	2 SOLID AL	90	6-#16	6.55	12.40	14.27	19.70	415	178	123	1.08	0.15	2.88	0.08	178	1.12	0.34	2.84	0.08
Q4MØØZC	2 AWG AL	90	6-#16	6.81	12.55	14.43	19.85	421	178	123	1.10	0.15	2.90	0.08	179	1.13	0.34	2.86	0.08
Q4NØØZC	1 SOLID AL	90	7-#16	7.34	13.18	15.06	20.49	466	178	140	0.86	0.15	2.66	0.08	202	0.89	0.33	2.62	0.08
Q4OØØZC	1 AWG AL	90	7-#16	7.65	13.39	15.27	20.69	473	178	140	0.87	0.14	2.67	0.07	203	0.91	0.32	2.64	0.07
Q4PØØZC	1/0 SOLID AL	90	9-#16	8.26	14.10	15.98	21.40	536	178	159	0.68	0.14	2.48	0.07	229	0.71	0.32	2.45	0.07
Q4QØØZC	1/0 AWG AL	90	9-#16	8.59	14.33	16.21	21.63	544	178	160	0.70	0.14	2.50	0.07	229	0.73	0.31	2.47	0.07
Q4RØØZC	2/0 AWG AL	90	11-#16	9.60	15.34	17.22	22.65	624	203	182	0.55	0.13	2.10	0.07	258	0.59	0.30	2.07	0.07
Q4SØØZC	3/0 AWG AL	90	14-#16	10.82	16.56	18.44	23.87	730	203	208	0.44	0.13	1.64	0.06	290	0.48	0.29	1.62	0.06
Q4TØØZC	4/0 AWG AL	90	17-#16	12.14	17.88	19.76	25.19	800	203	237	0.35	0.12	1.33	0.06	323	0.40	0.28	1.32	0.06
Q4UØØZC	250 MCM AL	90	21-#16	13.28	19.28	21.16	26.58	992	229	261	0.30	0.12	1.13	0.06	348	0.35	0.27	1.12	0.06
Q4VØØZC	350 MCM AL	90	27-#16	15.72	21.72	23.60	29.02	1251	254	314	0.22	0.11	0.82	0.05	399	0.28	0.24	0.81	0.05
Q4WØØZC	500 MCM AL	90	25-#14	18.80	24.79	26.67	32.77	1707	279	381	0.16	0.11	0.57	0.05	449	0.23	0.22	0.57	0.05
Q4XØØZC	750 MCM AL	90	24-#12	23.11	29.36	31.70	38.65	2503	330	465	0.11	0.11	0.39	0.04	504	0.19	0.18	0.38	0.04
Q4YØØZC	1000 MCM AL	90	31-#12	26.92	33.17	35.51	43.88	3236	356	522	0.09	0.10	0.29	0.04	540	0.17	0.15	0.29	0.04

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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

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.

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.

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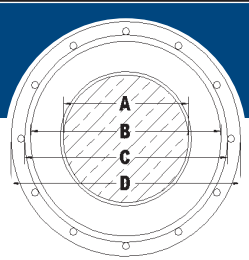

TRXLPE URD CSA

5kV
100% | 133%

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				
5kV 100%/133% Copper Single Phase – Full Neutral																			
Q43Ø1ZC	2 SOLID CU	90	16-#14	6.55	12.40	14.27	20.38	859	178	152	1.34	0.08	1.34	0.08	215	1.34	0.08	1.34	0.08
Q44Ø1ZC	2 AWG CU	90	16-#14	6.81	12.55	14.43	20.53	866	178	153	1.35	0.08	1.35	0.08	217	1.35	0.08	1.35	0.08
Q45Ø1ZC	1 SOLID CU	90	13-#12	7.34	13.18	15.06	22.01	1061	178	175	1.04	0.08	1.04	0.08	245	1.04	0.08	1.04	0.08
Q46Ø1ZC	1 AWG CU	90	13-#12	7.59	13.34	15.21	22.16	1072	178	176	1.06	0.08	1.06	0.08	247	1.06	0.08	1.06	0.08
Q47Ø1ZC	1/0 SOLID CU	90	16-#12	8.26	14.10	15.98	22.93	1266	203	198	0.84	0.08	0.84	0.07	277	0.84	0.08	0.84	0.07
Q48Ø1ZC	1/0 AWG CU	90	16-#12	8.59	14.33	16.21	23.15	1278	203	200	0.85	0.07	0.85	0.07	280	0.85	0.07	0.85	0.07
Q49Ø1ZC	2/0 AWG CU	90	20-#12	9.60	15.34	17.22	24.17	1538	203	231	0.67	0.07	0.67	0.07	317	0.67	0.07	0.67	0.07
Q4AØ1ZC	3/0 AWG CU	90	26-#12	10.82	16.56	18.44	25.39	1892	203	262	0.53	0.07	0.53	0.07	359	0.53	0.07	0.53	0.07
Q4BØ1ZC	4/0 AWG CU	90	32-#12	12.14	17.88	19.76	26.71	2290	229	300	0.43	0.06	0.43	0.06	407	0.43	0.06	0.43	0.06
5kV 100%/133% Copper Three Phase – One-Third Neutral																			
Q43ØØZC	2 SOLID CU	90	9-#16	6.55	12.40	14.27	19.70	656	178	157	0.66	0.15	2.45	0.08	227	0.69	0.34	2.41	0.08
Q44ØØZC	2 AWG CU	90	9-#16	6.81	12.55	14.43	19.85	663	178	158	0.67	0.15	2.47	0.08	228	0.70	0.34	2.43	0.08
Q45ØØZC	1 SOLID CU	90	11-#16	7.34	13.18	15.06	20.49	769	178	179	0.52	0.15	2.06	0.08	256	0.56	0.33	2.03	0.08
Q46ØØZC	1 AWG CU	90	11-#16	7.59	13.34	15.21	20.64	780	178	180	0.53	0.14	2.08	0.07	256	0.57	0.32	2.05	0.07
Q47ØØZC	1/0 SOLID CU	90	14-#16	8.26	14.10	15.98	21.40	921	178	204	0.41	0.14	1.61	0.07	286	0.46	0.31	1.59	0.07
Q48ØØZC	1/0 AWG CU	90	14-#16	8.59	14.33	16.21	21.63	933	178	205	0.42	0.14	1.62	0.07	287	0.47	0.31	1.60	0.07
Q49ØØZC	2/0 AWG CU	90	17-#16	9.60	15.34	17.22	22.65	1111	203	233	0.34	0.13	1.32	0.07	320	0.39	0.29	1.31	0.07
Q4AØØZC	3/0 AWG CU	90	21-#16	10.82	16.56	18.44	23.87	1338	203	265	0.27	0.13	1.04	0.06	353	0.33	0.28	1.03	0.06
Q4BØØZC	4/0 AWG CU	90	27-#16	12.14	17.88	19.76	25.19	1630	203	301	0.22	0.12	0.82	0.06	385	0.29	0.26	0.81	0.06
Q4CØØZC	250 MCM CU	90	21-#14	13.28	19.28	21.16	27.26	1956	229	331	0.19	0.12	0.70	0.06	408	0.26	0.25	0.70	0.06
Q4DØØZC	350 MCM CU	90	28-#14	15.72	21.72	23.60	29.70	2594	254	393	0.14	0.11	0.51	0.05	452	0.22	0.21	0.50	0.05
Q4EØØZC	500 MCM CU	90	26-#12	18.77	24.77	26.64	33.59	3634	279	464	0.11	0.11	0.34	0.05	494	0.19	0.17	0.34	0.05
Q4FØØXC	750 MCM CU	90	25-#10	24.59	30.84	33.17	41.20	5463	330	542	0.08	0.11	0.24	0.05	550	0.16	0.14	0.24	0.05
Q4GØØXC	1000 MCM CU	90	32-#10	28.37	34.62	36.96	46.41	7139	381	588	0.07	0.10	0.18	0.04	603	0.13	0.11	0.18	0.04

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PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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.

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.

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.

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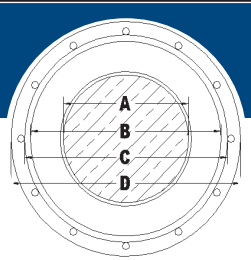

TRXLPE URD CSA

8kV 100%

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																			
Q5LØ1ZC	2 SOLID AL	115	10-#14	6.55	13.67	15.54	21.65	585	178	120	2.17	0.09	2.17	0.09	169	2.17	0.09	2.17	0.09
Q5MØ1ZC	2 AWG AL	115	10-#14	6.81	13.82	15.70	21.80	591	178	120	2.20	0.09	2.20	0.09	169	2.20	0.09	2.20	0.09
Q5NØ1ZC	1 SOLID AL	115	13-#14	7.34	14.45	16.33	22.43	679	203	138	1.70	0.08	1.70	0.08	193	1.70	0.08	1.70	0.08
Q5OØ1ZC	1 AWG AL	115	13-#14	7.65	14.66	16.54	22.64	687	203	138	1.72	0.08	1.72	0.08	193	1.72	0.08	1.72	0.08
Q5PØ1ZC	1/0 SOLID AL	115	16-#14	8.26	15.37	17.25	23.35	783	203	157	1.36	0.08	1.36	0.08	219	1.36	0.08	1.36	0.08
Q5QØ1ZC	1/0 AWG AL	115	16-#14	8.59	15.60	17.48	23.58	792	203	156	1.38	0.08	1.38	0.08	218	1.38	0.08	1.38	0.08
Q5RØ1ZC	2/0 AWG AL	115	13-#12	9.60	16.61	18.49	25.44	967	229	180	1.08	0.08	1.08	0.07	249	1.08	0.08	1.08	0.07
Q5SØ1ZC	3/0 AWG AL	115	16-#12	10.82	17.83	19.71	26.66	1129	229	205	0.86	0.07	0.86	0.07	282	0.86	0.07	0.86	0.07
Q5TØ1ZC	4/0 AWG AL	115	20-#12	12.14	19.15	21.03	27.98	1285	229	234	0.69	0.07	0.69	0.07	320	0.69	0.07	0.69	0.07
Q5UØ1ZC	250 MCM AL	115	23-#12	13.28	20.55	22.43	29.38	1542	254	257	0.59	0.06	0.59	0.06	350	0.59	0.06	0.59	0.06
Q5VØ1ZC	350 MCM AL	115	33-#12	15.72	22.99	24.87	31.82	2036	279	314	0.42	0.06	0.42	0.06	425	0.42	0.06	0.42	0.06
8kV 100% Aluminum Three Phase – One-Third Neutral																			
Q5LØØZC	2 SOLID AL	115	6-#16	6.55	13.67	15.54	20.97	454	178	123	1.08	0.15	3.91	0.09	179	1.10	0.34	3.84	0.09
Q5MØØZC	2 AWG AL	115	6-#16	6.81	13.82	15.70	21.12	460	178	123	1.10	0.16	3.93	0.09	178	1.12	0.34	3.86	0.09
Q5NØØZC	1 SOLID AL	115	7-#16	7.34	14.45	16.33	21.76	505	178	140	0.86	0.15	3.28	0.08	202	0.88	0.33	3.23	0.08
Q5OØØZC	1 AWG AL	115	7-#16	7.65	14.66	16.54	21.96	513	178	140	0.87	0.15	3.30	0.08	201	0.90	0.33	3.25	0.08
Q5PØØZC	1/0 SOLID AL	115	9-#16	8.26	15.37	17.25	22.67	577	203	160	0.68	0.14	2.57	0.08	229	0.71	0.32	2.53	0.08
Q5QØØZC	1/0 AWG AL	115	9-#16	8.59	15.60	17.48	22.90	586	203	159	0.70	0.14	2.59	0.08	227	0.73	0.32	2.55	0.08
Q5RØØZC	2/0 AWG AL	115	11-#16	9.60	16.61	18.49	23.92	668	203	181	0.55	0.14	2.10	0.07	256	0.59	0.31	2.07	0.07
Q5SØØZC	3/0 AWG AL	115	14-#16	10.82	17.83	19.71	25.14	776	203	207	0.44	0.13	1.65	0.07	287	0.48	0.30	1.63	0.07
Q5TØØZC	4/0 AWG AL	115	17-#16	12.14	19.15	21.03	26.46	849	229	235	0.35	0.13	1.35	0.06	320	0.40	0.29	1.34	0.06
Q5UØØZC	250 MCM AL	115	21-#16	13.28	20.55	22.43	27.85	1043	229	259	0.30	0.12	1.11	0.06	345	0.35	0.27	1.10	0.06
Q5VØØZC	350 MCM AL	115	27-#16	15.72	22.99	24.87	30.29	1306	254	312	0.22	0.12	0.84	0.06	397	0.28	0.25	0.84	0.06
Q5WØØZC	500 MCM AL	115	25-#14	18.80	26.06	28.40	34.50	1797	279	378	0.16	0.11	0.58	0.05	447	0.23	0.22	0.58	0.05
Q5XØØZC	750 MCM AL	115	24-#12	23.11	30.63	32.97	39.92	2577	330	461	0.11	0.11	0.38	0.05	501	0.19	0.18	0.38	0.05
Q5YØØZC	1000 MCM AL	115	31-#12	26.92	34.44	36.78	45.15	3319	381	521	0.09	0.10	0.30	0.05	539	0.17	0.15	0.29	0.05

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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

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.

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.

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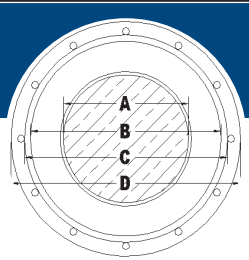

TRXLPE URD CSA

8kV 100%

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																			
Q53Ø1ZC	2 SOLID CU	115	16-#14	6.55	13.67	15.54	21.65	899	178	154	1.34	0.09	1.34	0.08	215	1.34	0.09	1.34	0.08
Q54Ø1ZC	2 AWG CU	115	16-#14	6.81	13.82	15.70	21.80	906	178	153	1.35	0.09	1.35	0.08	215	1.35	0.09	1.35	0.08
Q55Ø1ZC	1 SOLID CU	115	13-#12	7.34	14.45	16.33	23.28	1103	203	177	1.04	0.08	1.04	0.08	245	1.04	0.08	1.04	0.08
Q56Ø1ZC	1 AWG CU	115	13-#12	7.59	14.61	16.48	23.43	1115	203	176	1.06	0.09	1.06	0.08	244	1.06	0.09	1.06	0.08
Q57Ø1ZC	1/0 SOLID CU	115	16-#12	8.26	15.37	17.25	24.20	1310	203	200	0.84	0.08	0.84	0.07	277	0.84	0.08	0.84	0.07
Q58Ø1ZC	1/0 AWG CU	115	16-#12	8.59	15.60	17.48	24.42	1323	203	200	0.85	0.08	0.85	0.07	277	0.85	0.08	0.85	0.07
Q59Ø1ZC	2/0 AWG CU	115	20-#12	9.60	16.61	18.49	25.44	1585	229	228	0.68	0.08	0.68	0.07	315	0.68	0.08	0.68	0.07
Q5AØ1ZC	3/0 AWG CU	115	26-#12	10.82	17.83	19.71	26.66	1941	229	262	0.53	0.07	0.53	0.07	361	0.53	0.07	0.53	0.07
Q5BØ1ZC	4/0 AWG CU	115	32-#12	12.14	19.15	21.03	27.98	2342	229	298	0.42	0.07	0.42	0.06	408	0.42	0.07	0.42	0.06
8kV 100% Copper Three Phase – One-Third Neutral																			
Q53ØØZC	2 SOLID CU	115	9-#16	6.55	13.67	15.54	20.97	695	178	158	0.66	0.15	2.54	0.08	227	0.69	0.34	2.49	0.08
Q54ØØZC	2 AWG CU	115	9-#16	6.81	13.82	15.70	21.12	702	178	157	0.67	0.16	2.55	0.08	226	0.70	0.34	2.51	0.08
Q55ØØZC	1 SOLID CU	115	11-#16	7.34	14.45	16.33	21.76	809	178	180	0.52	0.15	2.06	0.08	256	0.56	0.33	2.03	0.08
Q56ØØZC	1 AWG CU	115	11-#16	7.59	14.61	16.48	21.91	820	178	179	0.53	0.15	2.08	0.07	254	0.57	0.33	2.04	0.07
Q57ØØZC	1/0 SOLID CU	115	14-#16	8.26	15.37	17.25	22.67	963	203	205	0.41	0.14	1.63	0.07	286	0.46	0.31	1.60	0.07
Q58ØØZC	1/0 AWG CU	115	14-#16	8.59	15.60	17.48	22.90	975	203	204	0.42	0.14	1.64	0.07	285	0.47	0.31	1.61	0.07
Q59ØØZC	2/0 AWG CU	115	17-#16	9.60	16.61	18.49	23.92	1155	203	232	0.34	0.14	1.34	0.07	317	0.39	0.30	1.32	0.07
Q5AØØZC	3/0 AWG CU	115	21-#16	10.82	17.83	19.71	25.14	1384	203	263	0.27	0.13	1.08	0.06	351	0.33	0.29	1.07	0.06
Q5BØØZC	4/0 AWG CU	115	27-#16	12.14	19.15	21.03	26.46	1678	229	299	0.22	0.13	0.84	0.06	383	0.29	0.27	0.84	0.06
Q5CØØZC	250 MCM CU	115	21-#14	13.28	20.55	22.43	28.53	2008	229	328	0.19	0.13	0.70	0.06	405	0.26	0.25	0.69	0.06
Q5DØØZC	350 MCM CU	115	28-#14	15.72	22.99	24.87	30.97	2651	254	391	0.14	0.12	0.52	0.05	452	0.22	0.22	0.51	0.05
Q5EØØZC	500 MCM CU	115	26-#12	18.77	26.04	28.37	35.32	3726	305	462	0.11	0.11	0.35	0.05	493	0.19	0.18	0.35	0.05
Q5FØØXC	750 MCM CU	115	25-#10	24.59	32.11	34.44	43.89	5631	356	542	0.08	0.11	0.23	0.05	554	0.16	0.13	0.23	0.05
Q5GØØXC	1000 MCM CU	115	32-#10	28.37	35.89	38.23	47.68	7227	406	592	0.07	0.10	0.18	0.04	607	0.13	0.11	0.18	0.04

†Ampacities are based on the following:

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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.

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.

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.

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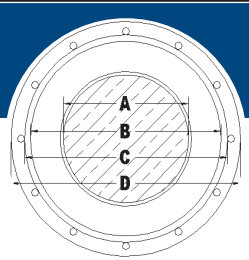

TRXLPE URD CSA

8kV 133%

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																			
Q6LØ1ZC	2 SOLID AL	140	10-#14	6.55	14.99	16.87	22.97	629	203	120	2.17	0.09	2.17	0.09	169	2.17	0.09	2.17	0.09
Q6MØ1ZC	2 AWG AL	140	10-#14	6.81	15.14	17.02	23.12	635	203	120	2.20	0.09	2.20	0.09	169	2.20	0.09	2.20	0.09
Q6NØ1ZC	1 SOLID AL	140	13-#14	7.34	15.77	17.65	23.75	724	203	138	1.70	0.08	1.70	0.08	193	1.70	0.08	1.70	0.08
Q6OØ1ZC	1 AWG AL	140	13-#14	7.65	15.98	17.86	23.96	732	203	138	1.72	0.08	1.72	0.08	193	1.72	0.08	1.72	0.08
Q6PØ1ZC	1/0 SOLID AL	140	16-#14	8.26	16.69	18.57	24.67	830	203	157	1.36	0.08	1.36	0.08	219	1.36	0.08	1.36	0.08
Q6QØ1ZC	1/0 AWG AL	140	16-#14	8.59	16.92	18.80	24.90	839	203	156	1.38	0.08	1.38	0.08	218	1.38	0.08	1.38	0.08
Q6RØ1ZC	2/0 AWG AL	140	13-#12	9.60	17.93	19.81	26.76	1018	229	180	1.08	0.08	1.08	0.07	249	1.08	0.08	1.08	0.07
Q6SØ1ZC	3/0 AWG AL	140	16-#12	10.82	19.15	21.03	27.98	1183	229	205	0.86	0.07	0.86	0.07	282	0.86	0.07	0.86	0.07
Q6TØ1ZC	4/0 AWG AL	140	20-#12	12.14	20.47	22.35	29.30	1341	254	234	0.69	0.07	0.69	0.07	320	0.69	0.07	0.69	0.07
Q6UØ1ZC	250 MCM AL	140	23-#12	13.28	21.87	23.75	30.70	1600	254	257	0.59	0.06	0.59	0.06	350	0.59	0.06	0.59	0.06
Q6VØ1ZC	350 MCM AL	140	33-#12	15.72	24.31	26.19	33.14	2100	279	314	0.42	0.06	0.42	0.06	425	0.42	0.06	0.42	0.06
8kV 133% Aluminum Three Phase – One-Third Neutral																			
Q6LØØZC	2 SOLID AL	140	6-#16	6.55	14.99	16.87	22.29	496	203	123	1.08	0.15	3.91	0.09	179	1.10	0.34	3.84	0.09
Q6MØØZC	2 AWG AL	140	6-#16	6.81	15.14	17.02	22.44	502	203	123	1.10	0.16	3.93	0.09	178	1.12	0.34	3.86	0.09
Q6NØØZC	1 SOLID AL	140	7-#16	7.34	15.77	17.65	23.08	549	203	140	0.86	0.15	3.28	0.08	202	0.88	0.33	3.23	0.08
Q6OØØZC	1 AWG AL	140	7-#16	7.65	15.98	17.86	23.28	557	203	140	0.87	0.15	3.30	0.08	201	0.90	0.33	3.25	0.08
Q6PØØZC	1/0 SOLID AL	140	9-#16	8.26	16.69	18.57	23.99	623	203	160	0.68	0.14	2.57	0.08	229	0.71	0.32	2.53	0.08
Q6QØØZC	1/0 AWG AL	140	9-#16	8.59	16.92	18.80	24.22	632	203	159	0.70	0.14	2.59	0.08	227	0.73	0.32	2.55	0.08
Q6RØØZC	2/0 AWG AL	140	11-#16	9.60	17.93	19.81	25.24	716	203	181	0.55	0.14	2.10	0.07	256	0.59	0.31	2.07	0.07
Q6SØØZC	3/0 AWG AL	140	14-#16	10.82	19.15	21.03	26.46	826	229	207	0.44	0.13	1.65	0.07	287	0.48	0.30	1.63	0.07
Q6TØØZC	4/0 AWG AL	140	17-#16	12.14	20.47	22.35	27.78	902	229	235	0.35	0.13	1.35	0.06	320	0.40	0.29	1.34	0.06
Q6UØØZC	250 MCM AL	140	21-#16	13.28	21.87	23.75	29.17	1099	254	259	0.30	0.12	1.11	0.06	345	0.35	0.27	1.10	0.06
Q6VØØZC	350 MCM AL	140	27-#16	15.72	24.31	26.19	31.61	1366	254	312	0.22	0.12	0.84	0.06	397	0.28	0.25	0.84	0.06
Q6WØØZC	500 MCM AL	140	25-#14	18.80	27.38	29.72	35.82	1865	305	378	0.16	0.11	0.58	0.05	447	0.23	0.22	0.58	0.05
Q6XØØZC	750 MCM AL	140	24-#12	23.11	31.95	34.29	41.24	2656	330	461	0.11	0.11	0.38	0.05	501	0.19	0.18	0.38	0.05
Q6YØØZC	1000 MCM AL	140	31-#12	26.92	35.76	38.10	46.47	3408	381	521	0.09	0.10	0.30	0.05	539	0.17	0.15	0.29	0.05

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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.

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.

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.

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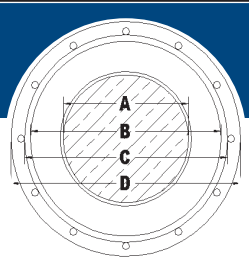

TRXLPE URD CSA

8kV 133%

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																			
Q63Ø1ZC	2 SOLID CU	140	16-#14	6.55	14.99	16.87	22.97	942	203	154	1.34	0.09	1.34	0.09	215	1.34	0.09	1.34	0.09
Q64Ø1ZC	2 AWG CU	140	16-#14	6.81	15.14	17.02	23.12	950	203	153	1.35	0.09	1.35	0.09	215	1.35	0.09	1.35	0.09
Q65Ø1ZC	1 SOLID CU	140	13-#12	7.34	15.77	17.65	24.60	1150	203	177	1.04	0.08	1.04	0.08	245	1.04	0.08	1.04	0.08
Q66Ø1ZC	1 AWG CU	140	13-#12	7.59	15.93	17.81	24.75	1162	203	176	1.06	0.09	1.06	0.08	244	1.06	0.09	1.06	0.08
Q67Ø1ZC	1/0 SOLID CU	140	16-#12	8.26	16.69	18.57	25.52	1359	229	200	0.84	0.08	0.84	0.08	277	0.84	0.08	0.84	0.08
Q68Ø1ZC	1/0 AWG CU	140	16-#12	8.59	16.92	18.80	25.75	1372	229	200	0.85	0.08	0.85	0.08	277	0.85	0.08	0.85	0.08
Q69Ø1ZC	2/0 AWG CU	140	20-#12	9.60	17.93	19.81	26.76	1636	229	228	0.68	0.08	0.68	0.07	315	0.68	0.08	0.68	0.07
Q6AØ1ZC	3/0 AWG CU	140	26-#12	10.82	19.15	21.03	27.98	1995	229	262	0.53	0.07	0.53	0.07	361	0.53	0.07	0.53	0.07
Q6BØ1ZC	4/0 AWG CU	140	32-#12	12.14	20.47	22.35	29.30	2398	254	298	0.42	0.07	0.42	0.07	408	0.42	0.07	0.42	0.07
8kV 133% Copper Three Phase – One-Third Neutral																			
Q63ØØZC	2 SOLID CU	140	9-#16	6.55	14.99	16.87	22.29	737	203	158	0.66	0.15	2.54	0.09	227	0.69	0.34	2.49	0.09
Q64ØØZC	2 AWG CU	140	9-#16	6.81	15.14	17.02	22.44	745	203	157	0.67	0.16	2.55	0.09	226	0.70	0.34	2.51	0.09
Q65ØØZC	1 SOLID CU	140	11-#16	7.34	15.77	17.65	23.08	853	203	180	0.52	0.15	2.06	0.08	256	0.56	0.33	2.03	0.08
Q66ØØZC	1 AWG CU	140	11-#16	7.59	15.93	17.81	23.23	864	203	179	0.53	0.15	2.08	0.08	254	0.57	0.33	2.04	0.08
Q67ØØZC	1/0 SOLID CU	140	14-#16	8.26	16.69	18.57	23.99	1008	203	205	0.41	0.14	1.63	0.08	286	0.46	0.31	1.60	0.08
Q68ØØZC	1/0 AWG CU	140	14-#16	8.59	16.92	18.80	24.22	1021	203	204	0.42	0.14	1.64	0.08	285	0.47	0.31	1.61	0.08
Q69ØØZC	2/0 AWG CU	140	17-#16	9.60	17.93	19.81	25.24	1203	203	232	0.34	0.14	1.34	0.07	317	0.39	0.30	1.32	0.07
Q6AØØZC	3/0 AWG CU	140	21-#16	10.82	19.15	21.03	26.46	1434	229	263	0.27	0.13	1.08	0.07	351	0.33	0.29	1.07	0.07
Q6BØØZC	4/0 AWG CU	140	27-#16	12.14	20.47	22.35	27.78	1731	229	299	0.22	0.13	0.84	0.06	383	0.29	0.27	0.84	0.06
Q6CØØZC	250 MCM CU	140	21-#14	13.28	21.87	23.75	29.85	2065	254	328	0.19	0.13	0.70	0.06	405	0.26	0.25	0.69	0.06
Q6DØØZC	350 MCM CU	140	28-#14	15.72	24.31	26.19	32.29	2712	279	391	0.14	0.12	0.52	0.06	452	0.22	0.22	0.51	0.06
Q6EØØZC	500 MCM CU	140	26-#12	18.77	27.36	29.69	36.64	3797	305	462	0.11	0.11	0.35	0.05	493	0.19	0.18	0.35	0.05
Q6FØØXC	750 MCM CU	140	25-#10	24.59	33.43	35.76	45.21	5718	381	542	0.08	0.11	0.23	0.05	554	0.16	0.13	0.23	0.05
Q6GØØXC	1000 MCM CU	140	32-#10	28.37	37.21	39.55	49.00	7321	406	592	0.07	0.10	0.18	0.05	607	0.13	0.11	0.18	0.05

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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

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.

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.

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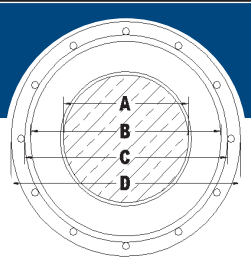

TRXLPE URD CSA

15kV 100%

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																			
Q7LØ1ZC	2 SOLID AL	175	10-#14	6.55	16.76	18.64	24.74	691	203	123	2.17	0.10	2.17	0.10	169	2.17	0.10	2.17	0.10
Q7MØ1ZC	2 AWG AL	175	10-#14	6.81	16.92	18.80	24.90	698	203	124	2.20	0.10	2.20	0.10	170	2.20	0.10	2.20	0.10
Q7NØ1ZC	1 SOLID AL	175	13-#14	7.34	17.55	19.43	25.53	789	229	141	1.70	0.09	1.70	0.09	193	1.70	0.09	1.70	0.09
Q7OØ1ZC	1 AWG AL	175	13-#14	7.65	17.75	19.63	25.74	798	229	143	1.72	0.09	1.72	0.09	194	1.72	0.09	1.72	0.09
Q7PØ1ZC	1/0 SOLID AL	175	16-#14	8.26	18.47	20.35	26.45	897	229	160	1.36	0.09	1.36	0.09	219	1.36	0.09	1.36	0.09
Q7QØ1ZC	1/0 AWG AL	175	16-#14	8.59	18.69	20.57	26.68	907	229	162	1.38	0.09	1.38	0.09	220	1.38	0.09	1.38	0.09
Q7RØ1ZC	2/0 AWG AL	175	13-#12	9.60	19.71	21.59	28.54	1091	229	186	1.08	0.08	1.08	0.08	251	1.08	0.08	1.08	0.08
Q7SØ1ZC	3/0 AWG AL	175	16-#12	10.82	20.93	22.81	29.76	1259	254	212	0.86	0.08	0.86	0.08	284	0.86	0.08	0.86	0.08
Q7TØ1ZC	4/0 AWG AL	175	20-#12	12.14	22.25	24.13	31.08	1420	254	241	0.69	0.07	0.69	0.07	323	0.69	0.07	0.69	0.07
Q7UØ1ZC	250 MCM AL	175	23-#12	13.28	23.65	25.53	32.48	1684	279	270	0.56	0.07	0.56	0.07	358	0.56	0.07	0.56	0.07
Q7VØ1ZC	350 MCM AL	175	33-#12	15.72	26.09	28.42	35.37	2217	305	321	0.42	0.07	0.42	0.07	422	0.42	0.07	0.42	0.07
15kV 100% Aluminum Three Phase – One-Third Neutral																			
Q7LØØZC	2 SOLID AL	175	6-#16	6.55	16.76	18.64	24.07	557	203	126	1.08	0.17	2.86	0.10	175	1.11	0.34	2.81	0.10
Q7MØØZC	2 AWG AL	175	6-#16	6.81	16.92	18.80	24.22	564	203	126	1.10	0.17	2.88	0.10	175	1.13	0.34	2.84	0.10
Q7NØØZC	1 SOLID AL	175	7-#16	7.34	17.55	19.43	24.86	612	203	143	0.86	0.16	2.64	0.09	199	0.89	0.33	2.59	0.09
Q7OØØZC	1 AWG AL	175	7-#16	7.65	17.75	19.63	25.06	620	203	144	0.87	0.16	2.66	0.09	199	0.90	0.32	2.62	0.09
Q7PØØZC	1/0 SOLID AL	175	9-#16	8.26	18.47	20.35	25.77	688	229	163	0.68	0.15	2.47	0.09	225	0.71	0.32	2.42	0.09
Q7QØØZC	1/0 AWG AL	175	9-#16	8.59	18.69	20.57	26.00	698	229	163	0.70	0.15	2.49	0.09	225	0.72	0.31	2.45	0.09
Q7RØØZC	2/0 AWG AL	175	11-#16	9.60	19.71	21.59	27.02	784	229	186	0.55	0.15	2.09	0.08	255	0.58	0.30	2.06	0.08
Q7SØØZC	3/0 AWG AL	175	14-#16	10.82	20.93	22.81	28.23	898	229	212	0.44	0.14	1.63	0.08	286	0.48	0.29	1.61	0.08
Q7TØØZC	4/0 AWG AL	175	17-#16	12.14	22.25	24.13	29.56	977	254	241	0.35	0.14	1.33	0.07	320	0.39	0.28	1.31	0.07
Q7UØØZC	250 MCM AL	175	21-#16	13.28	23.65	25.53	30.95	1177	254	265	0.30	0.13	1.12	0.07	345	0.35	0.27	1.11	0.07
Q7VØØZC	350 MCM AL	175	27-#16	15.72	26.09	28.42	33.85	1478	279	319	0.22	0.13	0.81	0.06	398	0.27	0.25	0.80	0.06
Q7WØØZC	500 MCM AL	175	25-#14	18.80	29.16	31.50	37.60	1961	305	385	0.16	0.12	0.57	0.06	451	0.22	0.22	0.57	0.06
Q7XØØZC	750 MCM AL	175	24-#12	23.11	33.73	36.07	44.44	2856	356	469	0.11	0.12	0.39	0.05	507	0.19	0.18	0.38	0.05
Q7YØØZC	1000 MCM AL	175	31-#12	26.92	37.54	39.88	48.25	3531	406	529	0.09	0.11	0.29	0.05	548	0.16	0.16	0.29	0.05

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PRODUCT NOTES:

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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.

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.

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.

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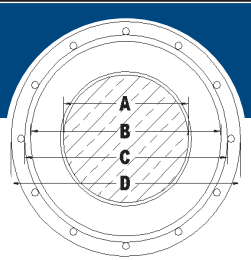

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- 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				
15kV 100% Copper Single Phase – Full Neutral																			
Q73Ø1ZC	2 SOLID CU	175	16-#14	6.55	16.76	18.64	24.74	1005	203	157	1.34	0.10	1.34	0.10	215	1.34	0.10	1.34	0.10
Q74Ø1ZC	2 AWG CU	175	16-#14	6.81	16.92	18.80	24.90	1013	203	158	1.35	0.10	1.35	0.10	217	1.35	0.10	1.35	0.10
Q75Ø1ZC	1 SOLID CU	175	13-#12	7.34	17.55	19.43	26.38	1217	229	181	1.04	0.10	1.04	0.10	245	1.04	0.10	1.04	0.10
Q76Ø1ZC	1 AWG CU	175	13-#12	7.59	17.70	19.58	26.53	1229	229	182	1.06	0.09	1.06	0.09	246	1.06	0.09	1.06	0.09
Q77Ø1ZC	1/0 SOLID CU	175	16-#12	8.26	18.47	20.35	27.29	1429	229	205	0.84	0.09	0.84	0.09	277	0.84	0.09	0.84	0.09
Q78Ø1ZC	1/0 AWG CU	175	16-#12	8.59	18.69	20.57	27.52	1442	229	207	0.85	0.09	0.85	0.09	279	0.85	0.09	0.85	0.09
Q79Ø1ZC	2/0 AWG CU	175	20-#12	9.60	19.71	21.59	28.54	1709	229	237	0.67	0.08	0.67	0.08	317	0.67	0.08	0.67	0.08
Q7AØ1ZC	3/0 AWG CU	175	26-#12	10.82	20.93	22.81	29.76	2071	254	270	0.53	0.08	0.53	0.08	359	0.53	0.08	0.53	0.08
Q7BØ1ZC	4/0 AWG CU	175	32-#12	12.14	22.25	24.13	31.08	2477	254	307	0.43	0.08	0.43	0.08	407	0.43	0.08	0.43	0.08
15kV 100% Copper Three Phase – One-Third Neutral																			
Q73ØØZC	2 SOLID CU	175	9-#16	6.55	16.76	18.64	24.07	798	203	162	0.66	0.17	2.44	0.10	223	0.69	0.34	2.39	0.10
Q74ØØZC	2 AWG CU	175	9-#16	6.81	16.92	18.80	24.22	806	203	162	0.67	0.17	2.45	0.10	224	0.70	0.34	2.41	0.10
Q75ØØZC	1 SOLID CU	175	11-#16	7.34	17.55	19.43	24.86	916	203	184	0.52	0.16	2.05	0.09	252	0.56	0.33	2.01	0.09
Q76ØØZC	1 AWG CU	175	11-#16	7.59	17.70	19.58	25.01	928	203	184	0.53	0.16	2.06	0.09	252	0.57	0.32	2.03	0.09
Q77ØØZC	1/0 SOLID CU	175	14-#16	8.26	18.47	20.35	25.77	1074	229	209	0.41	0.15	1.60	0.09	283	0.46	0.32	1.58	0.09
Q78ØØZC	1/0 AWG CU	175	14-#16	8.59	18.69	20.57	26.00	1086	229	210	0.42	0.15	1.61	0.09	284	0.46	0.31	1.59	0.09
Q79ØØZC	2/0 AWG CU	175	17-#16	9.60	19.71	21.59	27.02	1271	229	238	0.34	0.15	1.31	0.08	317	0.39	0.30	1.29	0.08
Q7AØØZC	3/0 AWG CU	175	21-#16	10.82	20.93	22.81	28.23	1505	229	271	0.27	0.14	1.04	0.08	351	0.33	0.28	1.02	0.08
Q7BØØZC	4/0 AWG CU	175	27-#16	12.14	22.25	24.13	29.56	1806	254	307	0.22	0.13	0.81	0.07	385	0.28	0.26	0.80	0.07
Q7CØØZC	250 MCM CU	175	21-#14	13.28	23.65	25.53	31.63	2146	254	336	0.19	0.13	0.70	0.07	409	0.26	0.25	0.69	0.07
Q7DØØZC	350 MCM CU	175	28-#14	15.72	26.09	28.42	34.52	2827	279	400	0.14	0.13	0.50	0.06	457	0.22	0.22	0.50	0.06
Q7EØØZC	500 MCM CU	175	26-#12	18.77	29.13	31.47	38.42	3895	330	471	0.11	0.12	0.34	0.06	501	0.19	0.18	0.34	0.06
Q7FØØXC	750 MCM CU	175	25-#10	24.59	35.20	37.54	46.99	5839	381	550	0.08	0.11	0.24	0.05	557	0.15	0.14	0.24	0.05
Q7GØØXC	1000 MCM CU	175	32-#10	28.37	38.99	42.19	51.64	7529	432	599	0.07	0.11	0.18	0.05	611	0.13	0.12	0.18	0.05

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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

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.

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.

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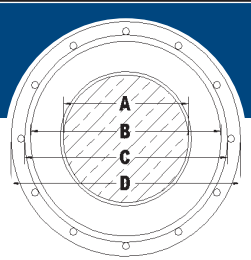

TRXLPE URD CSA

15kV 133%

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																			
Q8LØ1ZC	2 SOLID AL	220	10-#14	6.55	19.10	20.98	27.08	781	229	123	2.17	0.10	2.17	0.10	169	2.17	0.10	2.17	0.10
Q8MØ1ZC	2 AWG AL	220	10-#14	6.81	19.25	21.13	27.23	788	229	124	2.20	0.10	2.20	0.10	170	2.20	0.10	2.20	0.10
Q8NØ1ZC	1 SOLID AL	220	13-#14	7.34	19.89	21.77	27.87	881	229	141	1.70	0.09	1.70	0.09	193	1.70	0.09	1.70	0.09
Q8OØ1ZC	1 AWG AL	220	13-#14	7.65	20.09	21.97	28.07	890	229	143	1.72	0.09	1.72	0.09	194	1.72	0.09	1.72	0.09
Q8PØ1ZC	1/0 SOLID AL	220	16-#14	8.26	20.80	22.68	28.78	992	254	160	1.36	0.09	1.36	0.09	219	1.36	0.09	1.36	0.09
Q8QØ1ZC	1/0 AWG AL	220	16-#14	8.59	21.03	22.91	29.01	1003	254	162	1.38	0.09	1.38	0.09	220	1.38	0.09	1.38	0.09
Q8RØ1ZC	2/0 AWG AL	220	13-#12	9.60	22.05	23.93	30.88	1193	254	186	1.08	0.08	1.08	0.08	251	1.08	0.08	1.08	0.08
Q8SØ1ZC	3/0 AWG AL	220	16-#12	10.82	23.27	25.15	32.10	1365	279	212	0.86	0.08	0.86	0.08	284	0.86	0.08	0.86	0.08
Q8TØ1ZC	4/0 AWG AL	220	20-#12	12.14	24.59	26.47	33.42	1531	279	241	0.69	0.07	0.69	0.07	323	0.69	0.07	0.69	0.07
Q8UØ1ZC	250 MCM AL	220	23-#12	13.28	25.98	27.86	34.81	1800	279	270	0.56	0.07	0.56	0.07	358	0.56	0.07	0.56	0.07
Q8VØ1ZC	350 MCM AL	220	33-#12	15.72	28.42	30.76	37.71	2344	305	321	0.42	0.07	0.42	0.07	422	0.42	0.07	0.42	0.07
15kV 133% Aluminum Three Phase – One-Third Neutral																			
Q8LØØZC	2 SOLID AL	220	6-#16	6.55	19.10	20.98	26.41	644	229	126	1.08	0.17	2.86	0.10	175	1.11	0.34	2.81	0.10
Q8MØØZC	2 AWG AL	220	6-#16	6.81	19.25	21.13	26.56	651	229	126	1.10	0.17	2.88	0.10	175	1.13	0.34	2.84	0.10
Q8NØØZC	1 SOLID AL	220	7-#16	7.34	19.89	21.77	27.19	702	229	143	0.86	0.16	2.64	0.09	199	0.89	0.33	2.59	0.09
Q8OØØZC	1 AWG AL	220	7-#16	7.65	20.09	21.97	27.40	711	229	144	0.87	0.16	2.66	0.09	199	0.90	0.32	2.62	0.09
Q8PØØZC	1/0 SOLID AL	220	9-#16	8.26	20.80	22.68	28.11	781	229	163	0.68	0.15	2.47	0.09	225	0.71	0.32	2.42	0.09
Q8QØØZC	1/0 AWG AL	220	9-#16	8.59	21.03	22.91	28.34	791	229	163	0.70	0.15	2.49	0.09	225	0.72	0.31	2.45	0.09
Q8RØØZC	2/0 AWG AL	220	11-#16	9.60	22.05	23.93	29.35	881	254	186	0.55	0.15	2.09	0.08	255	0.58	0.30	2.06	0.08
Q8SØØZC	3/0 AWG AL	220	14-#16	10.82	23.27	25.15	30.57	999	254	212	0.44	0.14	1.63	0.08	286	0.48	0.29	1.61	0.08
Q8TØØZC	4/0 AWG AL	220	17-#16	12.14	24.59	26.47	31.89	1082	279	241	0.35	0.14	1.33	0.07	320	0.39	0.28	1.31	0.07
Q8UØØZC	250 MCM AL	220	21-#16	13.28	25.98	27.86	33.29	1288	279	265	0.30	0.13	1.12	0.07	345	0.35	0.27	1.11	0.07
Q8VØØZC	350 MCM AL	220	27-#16	15.72	28.42	30.76	36.18	1599	305	319	0.22	0.13	0.81	0.06	398	0.27	0.25	0.80	0.06
Q8WØØZC	500 MCM AL	220	25-#14	18.80	31.50	33.83	39.93	2094	330	385	0.16	0.12	0.57	0.06	451	0.22	0.22	0.57	0.06
Q8XØØZC	750 MCM AL	220	24-#12	23.11	36.07	38.40	46.78	3013	381	469	0.11	0.12	0.39	0.05	507	0.19	0.18	0.38	0.05
Q8YØØZC	1000 MCM AL	220	31-#12	26.92	39.88	43.08	51.45	3778	432	529	0.09	0.11	0.29	0.05	548	0.16	0.16	0.29	0.05

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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

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.

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.

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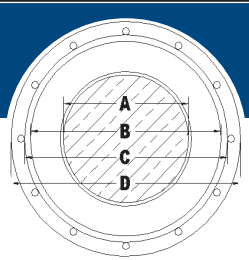

TRXLPE URD CSA

15kV 133%

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																			
Q83Ø1ZC	2 SOLID CU	220	16-#14	6.55	19.10	20.98	27.08	1095	229	157	1.34	0.10	1.34	0.10	215	1.34	0.10	1.34	0.10
Q84Ø1ZC	2 AWG CU	220	16-#14	6.81	19.25	21.13	27.23	1103	229	158	1.35	0.10	1.35	0.10	217	1.35	0.10	1.35	0.10
Q85Ø1ZC	1 SOLID CU	220	13-#12	7.34	19.89	21.77	28.72	1313	254	181	1.04	0.10	1.04	0.10	245	1.04	0.10	1.04	0.10
Q86Ø1ZC	1 AWG CU	220	13-#12	7.59	20.04	21.92	28.87	1325	254	182	1.06	0.09	1.06	0.09	246	1.06	0.09	1.06	0.09
Q87Ø1ZC	1/0 SOLID CU	220	16-#12	8.26	20.80	22.68	29.63	1527	254	205	0.84	0.09	0.84	0.09	277	0.84	0.09	0.84	0.09
Q88Ø1ZC	1/0 AWG CU	220	16-#12	8.59	21.03	22.91	29.86	1541	254	207	0.85	0.09	0.85	0.09	279	0.85	0.09	0.85	0.09
Q89Ø1ZC	2/0 AWG CU	220	20-#12	9.60	22.05	23.93	30.88	1811	254	237	0.67	0.08	0.67	0.08	317	0.67	0.08	0.67	0.08
Q8AØ1ZC	3/0 AWG CU	220	26-#12	10.82	23.27	25.15	32.10	2177	279	270	0.53	0.08	0.53	0.08	359	0.53	0.08	0.53	0.08
Q8BØ1ZC	4/0 AWG CU	220	32-#12	12.14	24.59	26.47	33.42	2588	279	307	0.43	0.08	0.43	0.08	407	0.43	0.08	0.43	0.08
15kV 133% Copper Three Phase – One-Third Neutral																			
Q83ØØZC	2 SOLID CU	220	9-#16	6.55	19.10	20.98	26.41	885	229	162	0.66	0.17	2.44	0.10	223	0.69	0.34	2.39	0.10
Q84ØØZC	2 AWG CU	220	9-#16	6.81	19.25	21.13	26.56	893	229	162	0.67	0.17	2.45	0.10	224	0.70	0.34	2.41	0.10
Q85ØØZC	1 SOLID CU	220	11-#16	7.34	19.89	21.77	27.19	1006	229	184	0.52	0.16	2.05	0.09	252	0.56	0.33	2.01	0.09
Q86ØØZC	1 AWG CU	220	11-#16	7.59	20.04	21.92	27.35	1018	229	184	0.53	0.16	2.06	0.09	252	0.57	0.32	2.03	0.09
Q87ØØZC	1/0 SOLID CU	220	14-#16	8.26	20.80	22.68	28.11	1166	229	209	0.41	0.15	1.60	0.09	283	0.46	0.32	1.58	0.09
Q88ØØZC	1/0 AWG CU	220	14-#16	8.59	21.03	22.91	28.34	1180	229	210	0.42	0.15	1.61	0.09	284	0.46	0.31	1.59	0.09
Q89ØØZC	2/0 AWG CU	220	17-#16	9.60	22.05	23.93	29.35	1368	254	238	0.34	0.15	1.31	0.08	317	0.39	0.30	1.29	0.08
Q8AØØZC	3/0 AWG CU	220	21-#16	10.82	23.27	25.15	30.57	1607	254	271	0.27	0.14	1.04	0.08	351	0.33	0.28	1.02	0.08
Q8BØØZC	4/0 AWG CU	220	27-#16	12.14	24.59	26.47	31.89	1911	279	307	0.22	0.13	0.81	0.07	385	0.28	0.26	0.80	0.07
Q8CØØZC	250 MCM CU	220	21-#14	13.28	25.98	27.86	33.96	2259	279	336	0.19	0.13	0.70	0.07	409	0.26	0.25	0.69	0.07
Q8DØØZC	350 MCM CU	220	28-#14	15.72	28.42	30.76	36.86	2950	305	400	0.14	0.13	0.50	0.06	457	0.22	0.22	0.50	0.06
Q8EØØZC	500 MCM CU	220	26-#12	18.77	31.47	33.81	40.76	4031	330	471	0.11	0.12	0.34	0.06	501	0.19	0.18	0.34	0.06
Q8FØØXC	750 MCM CU	220	25-#10	24.59	37.54	39.88	49.33	6004	406	550	0.08	0.11	0.24	0.05	557	0.15	0.14	0.24	0.05
Q8GØØXC	1000 MCM CU	220	32-#10	28.37	41.33	44.53	53.98	7711	432	599	0.07	0.11	0.18	0.05	611	0.13	0.12	0.18	0.05

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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

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.

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.

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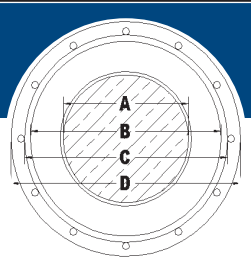

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- 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				
25kV 100% Aluminum Single Phase – Full Neutral																			
Q9NØ1ZC	1 SOLID AL	260	13-#14	7.34	21.97	23.85	29.95	970	254	145	1.70	0.11	1.70	0.11	192	1.70	0.11	1.70	0.11
Q9OØ1ZC	1 AWG AL	260	13-#14	7.65	22.17	24.05	30.15	980	254	146	1.72	0.10	1.72	0.11	194	1.72	0.10	1.72	0.11
Q9PØ1ZC	1/0 SOLID AL	260	16-#14	8.26	22.89	24.77	30.87	1083	254	165	1.36	0.10	1.36	0.10	218	1.36	0.10	1.36	0.10
Q9QØ1ZC	1/0 AWG AL	260	16-#14	8.59	23.11	24.99	31.09	1095	254	166	1.38	0.10	1.38	0.10	219	1.38	0.10	1.38	0.10
Q9RØ1ZC	2/0 AWG AL	260	13-#12	9.60	24.13	26.01	32.96	1291	279	190	1.08	0.09	1.08	0.10	250	1.08	0.09	1.08	0.10
Q9SØ1ZC	3/0 AWG AL	260	16-#12	10.82	25.35	27.23	34.18	1467	279	217	0.86	0.09	0.86	0.09	283	0.86	0.09	0.86	0.09
Q9TØ1ZC	4/0 AWG AL	260	20-#12	12.14	26.67	29.01	35.96	1665	305	247	0.69	0.09	0.69	0.09	322	0.69	0.09	0.69	0.09
Q9UØ1ZC	250 MCM AL	260	23-#12	13.28	28.07	30.40	37.35	1939	305	276	0.56	0.08	0.56	0.08	356	0.56	0.08	0.56	0.08
Q9VØ1ZC	350 MCM AL	260	33-#12	15.72	30.51	32.84	39.79	2463	330	326	0.42	0.08	0.42	0.08	418	0.42	0.08	0.42	0.08
25kV 100% Aluminum Three Phase – One-Third Neutral																			
Q9NØØZC	1 SOLID AL	260	7-#16	7.34	21.97	23.85	29.28	788	254	146	0.86	0.17	2.63	0.11	196	0.88	0.33	2.58	0.11
Q9OØØZC	1 AWG AL	260	7-#16	7.65	22.17	24.05	29.48	798	254	146	0.87	0.17	2.65	0.11	196	0.90	0.32	2.60	0.11
Q9PØØZC	1/0 SOLID AL	260	9-#16	8.26	22.89	24.77	30.19	870	254	166	0.68	0.17	2.46	0.10	222	0.71	0.32	2.41	0.10
Q9QØØZC	1/0 AWG AL	260	9-#16	8.59	23.11	24.99	30.42	881	254	166	0.70	0.16	2.47	0.10	222	0.72	0.32	2.43	0.10
Q9RØØZC	2/0 AWG AL	260	11-#16	9.60	24.13	26.01	31.44	974	254	189	0.55	0.16	2.08	0.09	251	0.58	0.31	2.04	0.09
Q9SØØZC	3/0 AWG AL	260	14-#16	10.82	25.35	27.23	32.65	1096	279	216	0.44	0.15	1.62	0.09	283	0.47	0.29	1.60	0.09
Q9TØØZC	4/0 AWG AL	260	17-#16	12.14	26.67	29.01	34.43	1210	279	245	0.35	0.15	1.32	0.08	317	0.39	0.28	1.30	0.08
Q9UØØZC	250 MCM AL	260	21-#16	13.28	28.07	30.40	35.83	1421	305	269	0.30	0.14	1.12	0.08	343	0.34	0.27	1.10	0.08
Q9VØØZC	350 MCM AL	260	27-#16	15.72	30.51	32.84	38.27	1713	330	322	0.22	0.13	0.81	0.07	397	0.27	0.25	0.80	0.07
Q9WØØZC	500 MCM AL	260	25-#14	18.80	33.58	35.92	43.44	2308	356	389	0.16	0.13	0.57	0.07	451	0.22	0.22	0.57	0.07
Q9XØØZC	750 MCM AL	260	24-#12	23.11	38.15	40.49	48.86	3159	406	473	0.11	0.12	0.38	0.06	512	0.18	0.19	0.38	0.06
Q9YØØZC	1000 MCM AL	260	31-#12	26.92	41.96	45.16	53.53	3939	432	533	0.09	0.12	0.29	0.06	554	0.16	0.16	0.29	0.06

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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

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.

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.

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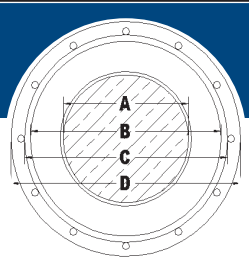

TRXLPE URD CSA

25kV 100%

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				
25kV 100% Copper Single Phase – Full Neutral																			
Q95Ø1ZC	1 SOLID CU	260	13-#12	7.34	21.97	23.85	30.80	1404	254	186	1.04	0.11	1.04	0.11	245	1.04	0.11	1.04	0.11
Q96Ø1ZC	1 AWG CU	260	13-#12	7.59	22.12	24.00	30.95	1417	254	187	1.06	0.11	1.06	0.11	246	1.06	0.11	1.06	0.11
Q97Ø1ZC	1/0 SOLID CU	260	16-#12	8.26	22.89	24.77	31.71	1621	254	210	0.84	0.10	0.84	0.10	277	0.84	0.10	0.84	0.10
Q98Ø1ZC	1/0 AWG CU	260	16-#12	8.59	23.11	24.99	31.94	1636	279	212	0.85	0.10	0.85	0.10	279	0.85	0.10	0.85	0.10
Q99Ø1ZC	2/0 AWG CU	260	20-#12	9.60	24.13	26.01	32.96	1909	279	243	0.67	0.10	0.67	0.10	317	0.67	0.10	0.67	0.10
Q9AØ1ZC	3/0 AWG CU	260	26-#12	10.82	25.35	27.23	34.18	2279	279	276	0.53	0.09	0.53	0.09	359	0.53	0.09	0.53	0.09
Q9BØ1ZC	4/0 AWG CU	260	32-#12	12.14	26.67	29.01	35.96	2723	305	314	0.43	0.09	0.43	0.09	406	0.43	0.09	0.43	0.09
25kV 100% Copper Three Phase – One-Third Neutral																			
Q95ØØZC	1 SOLID CU	260	11-#16	7.34	21.97	23.85	29.28	1092	254	187	0.52	0.17	2.04	0.11	249	0.55	0.33	2.00	0.11
Q96ØØZC	1 AWG CU	260	11-#16	7.59	22.12	24.00	29.43	1105	254	187	0.53	0.17	2.05	0.11	249	0.56	0.32	2.01	0.11
Q97ØØZC	1/0 SOLID CU	260	14-#16	8.26	22.89	24.77	30.19	1256	254	213	0.41	0.17	1.60	0.10	280	0.45	0.32	1.57	0.10
Q98ØØZC	1/0 AWG CU	260	14-#16	8.59	23.11	24.99	30.42	1270	254	213	0.42	0.16	1.61	0.10	281	0.46	0.31	1.58	0.10
Q99ØØZC	2/0 AWG CU	260	17-#16	9.60	24.13	26.01	31.44	1461	254	242	0.34	0.16	1.31	0.09	314	0.38	0.30	1.29	0.09
Q9AØØZC	3/0 AWG CU	260	21-#16	10.82	25.35	27.23	32.65	1703	279	275	0.27	0.15	1.03	0.09	349	0.32	0.28	1.02	0.09
Q9BØØZC	4/0 AWG CU	260	27-#16	12.14	26.67	29.01	34.43	2039	279	311	0.22	0.15	0.81	0.08	384	0.28	0.27	0.80	0.08
Q9CØØZC	250 MCM CU	260	21-#14	13.28	28.07	30.40	36.50	2395	305	341	0.19	0.14	0.69	0.08	410	0.25	0.26	0.69	0.08
Q9DØØZC	350 MCM CU	260	28-#14	15.72	30.51	32.84	38.94	3066	330	405	0.14	0.13	0.50	0.07	460	0.21	0.23	0.50	0.07
Q9EØØZC	500 MCM CU	260	26-#12	18.77	33.55	35.89	44.26	4250	356	475	0.11	0.13	0.34	0.07	504	0.18	0.19	0.34	0.07
Q9FØØXC	750 MCM CU	260	25-#10	24.59	39.62	42.82	52.27	6237	432	557	0.08	0.12	0.24	0.06	566	0.15	0.15	0.24	0.06
Q9GØØXC	1000 MCM CU	260	32-#10	28.37	43.41	46.61	56.06	7879	457	606	0.07	0.11	0.18	0.06	618	0.13	0.12	0.18	0.06

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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

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.

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.

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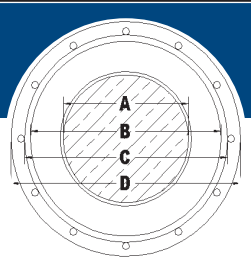

TRXLPE URD CSA

25kV 133%

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% Aluminum Single Phase – Full Neutral																			
QANØ1ZC	1 SOLID AL	320	13-#14	7.34	25.12	27.00	33.10	1116	279	145	1.70	0.11	1.70	0.11	192	1.70	0.11	1.70	0.11
QAOØ1ZC	1 AWG AL	320	13-#14	7.65	25.32	27.20	33.30	1126	279	146	1.72	0.10	1.72	0.11	194	1.72	0.10	1.72	0.11
QAPØ1ZC	1/0 SOLID AL	320	16-#14	8.26	26.04	27.91	34.02	1234	279	165	1.36	0.10	1.36	0.10	218	1.36	0.10	1.36	0.10
QAQØ1ZC	1/0 AWG AL	320	16-#14	8.59	26.26	28.60	34.70	1273	279	166	1.38	0.10	1.38	0.10	219	1.38	0.10	1.38	0.10
QARØ1ZC	2/0 AWG AL	320	13-#12	9.60	27.28	29.62	36.57	1480	305	190	1.08	0.09	1.08	0.10	250	1.08	0.09	1.08	0.10
QASØ1ZC	3/0 AWG AL	320	16-#12	10.82	28.50	30.84	37.79	1662	305	217	0.86	0.09	0.86	0.09	283	0.86	0.09	0.86	0.09
QATØ1ZC	4/0 AWG AL	320	20-#12	12.14	29.82	32.16	39.11	1839	330	247	0.69	0.09	0.69	0.09	322	0.69	0.09	0.69	0.09
QAUØ1ZC	250 MCM AL	320	23-#12	13.28	31.22	33.55	40.50	2120	330	276	0.56	0.08	0.56	0.08	356	0.56	0.08	0.56	0.08
QAVØ1ZC	350 MCM AL	320	33-#12	15.72	33.66	35.99	44.36	2745	356	326	0.42	0.08	0.42	0.08	418	0.42	0.08	0.42	0.08
25kV 133% Aluminum Three Phase – One-Third Neutral																			
QANØØZC	1 SOLID AL	320	7-#16	7.34	25.12	27.00	32.43	931	279	146	0.86	0.17	2.63	0.11	196	0.88	0.33	2.58	0.11
QAOØØZC	1 AWG AL	320	7-#16	7.65	25.32	27.20	32.63	941	279	146	0.87	0.17	2.65	0.11	196	0.90	0.32	2.60	0.11
QAPØØZC	1/0 SOLID AL	320	9-#16	8.26	26.04	27.91	33.34	1017	279	166	0.68	0.17	2.46	0.10	222	0.71	0.32	2.41	0.10
QAQØØZC	1/0 AWG AL	320	9-#16	8.59	26.26	28.60	34.03	1056	279	166	0.70	0.16	2.47	0.10	222	0.72	0.32	2.43	0.10
QARØØZC	2/0 AWG AL	320	11-#16	9.60	27.28	29.62	35.04	1155	305	189	0.55	0.16	2.08	0.09	251	0.58	0.31	2.04	0.09
QASØØZC	3/0 AWG AL	320	14-#16	10.82	28.50	30.84	36.26	1282	305	216	0.44	0.15	1.62	0.09	283	0.47	0.29	1.60	0.09
QATØØZC	4/0 AWG AL	320	17-#16	12.14	29.82	32.16	37.58	1377	305	245	0.35	0.15	1.32	0.08	317	0.39	0.28	1.30	0.08
QAUØØZC	250 MCM AL	320	21-#16	13.28	31.22	33.55	38.98	1594	330	269	0.30	0.14	1.12	0.08	343	0.34	0.27	1.10	0.08
QAVØØZC	350 MCM AL	320	27-#16	15.72	33.66	35.99	41.42	1897	356	322	0.22	0.13	0.81	0.07	397	0.27	0.25	0.80	0.07
QAWØØZC	500 MCM AL	320	25-#14	18.80	36.73	39.07	46.59	2516	381	389	0.16	0.13	0.57	0.07	451	0.22	0.22	0.57	0.07
QAXØØZC	750 MCM AL	320	24-#12	23.11	41.30	44.50	52.87	3471	432	473	0.11	0.12	0.38	0.06	512	0.18	0.19	0.38	0.06
QAYØØZC	1000 MCM AL	320	31-#12	26.92	45.11	48.31	56.68	4194	457	533	0.09	0.12	0.29	0.06	554	0.16	0.16	0.29	0.06

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PRODUCT NOTES:

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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.

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.

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.

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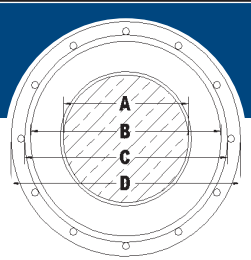

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- 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				
25kV 133% Copper Single Phase – Full Neutral																			
QA5Ø1ZC	1 SOLID CU	320	13-#12	7.34	25.12	27.00	33.95	1554	279	186	1.04	0.11	1.04	0.11	245	1.04	0.11	1.04	0.11
QA6Ø1ZC	1 AWG CU	320	13-#12	7.59	25.27	27.15	34.10	1568	279	187	1.06	0.11	1.06	0.11	246	1.06	0.11	1.06	0.11
QA7Ø1ZC	1/0 SOLID CU	320	16-#12	8.26	26.04	27.91	34.86	1775	279	210	0.84	0.10	0.84	0.10	277	0.84	0.10	0.84	0.10
QA8Ø1ZC	1/0 AWG CU	320	16-#12	8.59	26.26	28.60	35.55	1819	305	212	0.85	0.10	0.85	0.10	279	0.85	0.10	0.85	0.10
QA9Ø1ZC	2/0 AWG CU	320	20-#12	9.60	27.28	29.62	36.57	2098	305	243	0.67	0.10	0.67	0.10	317	0.67	0.10	0.67	0.10
QAAØ1ZC	3/0 AWG CU	320	26-#12	10.82	28.50	30.84	37.79	2475	305	276	0.53	0.09	0.53	0.09	359	0.53	0.09	0.53	0.09
QABØ1ZC	4/0 AWG CU	320	32-#12	12.14	29.82	32.16	39.11	2897	330	314	0.43	0.09	0.43	0.09	406	0.43	0.09	0.43	0.09
25kV 133% Copper Three Phase – One-Third Neutral																			
QA5ØØZC	1 SOLID CU	320	11-#16	7.34	25.12	27.00	32.43	1235	279	187	0.52	0.17	2.04	0.11	249	0.55	0.33	2.00	0.11
QA6ØØZC	1 AWG CU	320	11-#16	7.59	25.27	27.15	32.58	1248	279	187	0.53	0.17	2.05	0.11	249	0.56	0.32	2.01	0.11
QA7ØØZC	1/0 SOLID CU	320	14-#16	8.26	26.04	27.91	33.34	1402	279	213	0.41	0.17	1.60	0.10	280	0.45	0.32	1.57	0.10
QA8ØØZC	1/0 AWG CU	320	14-#16	8.59	26.26	28.60	34.03	1445	279	213	0.42	0.16	1.61	0.10	281	0.46	0.31	1.58	0.10
QA9ØØZC	2/0 AWG CU	320	17-#16	9.60	27.28	29.62	35.04	1642	305	242	0.34	0.16	1.31	0.09	314	0.38	0.30	1.29	0.09
QAAØØZC	3/0 AWG CU	320	21-#16	10.82	28.50	30.84	36.26	1890	305	275	0.27	0.15	1.03	0.09	349	0.32	0.28	1.02	0.09
QABØØZC	4/0 AWG CU	320	27-#16	12.14	29.82	32.16	37.58	2206	305	311	0.22	0.15	0.81	0.08	384	0.28	0.27	0.80	0.08
QACØØZC	250 MCM CU	320	21-#14	13.28	31.22	33.55	39.65	2571	330	341	0.19	0.14	0.69	0.08	410	0.25	0.26	0.69	0.08
QADØØZC	350 MCM CU	320	28-#14	15.72	33.66	35.99	43.52	3342	356	405	0.14	0.13	0.50	0.07	460	0.21	0.23	0.50	0.07
QAEØØZC	500 MCM CU	320	26-#12	18.77	36.70	39.04	47.41	4462	381	475	0.11	0.13	0.34	0.07	504	0.18	0.19	0.34	0.07
QAFØØXC	750 MCM CU	320	25-#10	24.59	42.77	45.97	55.42	6486	457	557	0.08	0.12	0.24	0.06	566	0.15	0.15	0.24	0.06
QAGØØXC	1000 MCM CU	320	32-#10	28.37	46.56	49.76	59.21	8146	483	606	0.07	0.11	0.18	0.06	618	0.13	0.12	0.18	0.06

†Ampacities are based on the following:

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PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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

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.

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.

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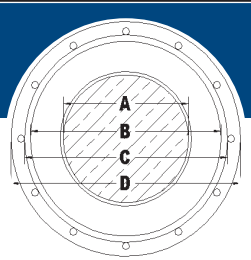

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- 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				
28kV 100% Aluminum Single Phase – Full Neutral																			
QVNØ1ZC	1 SOLID AL	280	13-#14	7.34	23.04	24.92	31.02	1018	254	146	1.70	0.11	1.70	0.11	192	1.70	0.11	1.70	0.11
QVOØ1ZC	1 AWG AL	280	13-#14	7.65	23.24	25.12	31.22	1028	254	146	1.72	0.11	1.72	0.11	192	1.72	0.11	1.72	0.11
QVPØ1ZC	1/0 SOLID AL	280	16-#14	8.26	23.95	25.83	31.93	1133	279	165	1.36	0.10	1.36	0.11	218	1.36	0.10	1.36	0.11
QVQØ1ZC	1/0 AWG AL	280	16-#14	8.59	24.18	26.06	32.16	1144	279	165	1.38	0.10	1.38	0.11	217	1.38	0.10	1.38	0.11
QVRØ1ZC	2/0 AWG AL	280	13-#12	9.60	25.20	27.08	34.03	1344	279	189	1.08	0.10	1.08	0.10	247	1.08	0.10	1.08	0.10
QVSØ1ZC	3/0 AWG AL	280	16-#12	10.82	26.42	28.75	35.70	1549	305	216	0.86	0.10	0.86	0.10	281	0.86	0.10	0.86	0.10
QVTØ1ZC	4/0 AWG AL	280	20-#12	12.14	27.74	30.07	37.02	1722	305	245	0.69	0.09	0.69	0.09	319	0.69	0.09	0.69	0.09
QVUØ1ZC	250 MCM AL	280	23-#12	13.28	29.13	31.47	38.42	1999	330	268	0.59	0.09	0.59	0.09	348	0.59	0.09	0.59	0.09
QVVØ1ZC	350 MCM AL	280	33-#12	15.72	31.57	33.91	40.86	2526	330	327	0.42	0.08	0.42	0.08	423	0.42	0.08	0.42	0.08
28kV 100% Aluminum Three Phase – One-Third Neutral																			
QVNØØZC	1 SOLID AL	280	7-#16	7.34	23.04	24.92	30.34	835	254	146	0.86	0.17	3.25	0.11	196	0.88	0.33	3.18	0.11
QVOØØZC	1 AWG AL	280	7-#16	7.65	23.24	25.12	30.55	845	254	145	0.87	0.17	3.27	0.11	195	0.89	0.33	3.20	0.11
QVPØØZC	1/0 SOLID AL	280	9-#16	8.26	23.95	25.83	31.26	918	254	166	0.68	0.17	2.54	0.11	222	0.70	0.32	2.49	0.11
QVQØØZC	1/0 AWG AL	280	9-#16	8.59	24.18	26.06	31.49	929	254	165	0.70	0.17	2.56	0.11	220	0.72	0.32	2.51	0.11
QVRØØZC	2/0 AWG AL	280	11-#16	9.60	25.20	27.08	32.50	1024	279	188	0.55	0.16	2.08	0.10	249	0.58	0.31	2.04	0.10
QVSØØZC	3/0 AWG AL	280	14-#16	10.82	26.42	28.75	34.18	1175	279	214	0.44	0.16	1.64	0.10	281	0.47	0.30	1.61	0.10
QVTØØZC	4/0 AWG AL	280	17-#16	12.14	27.74	30.07	35.50	1265	305	243	0.35	0.15	1.34	0.09	314	0.39	0.29	1.32	0.09
QVUØØZC	250 MCM AL	280	21-#16	13.28	29.13	31.47	36.90	1478	305	266	0.30	0.15	1.10	0.09	340	0.34	0.28	1.08	0.09
QVVØØZC	350 MCM AL	280	27-#16	15.72	31.57	33.91	39.33	1773	330	320	0.21	0.14	0.84	0.08	395	0.27	0.26	0.83	0.08
QVWØØZC	500 MCM AL	280	25-#14	18.80	34.65	36.98	44.51	2377	381	386	0.16	0.13	0.58	0.07	449	0.22	0.23	0.57	0.07
QVXØØZC	750 MCM AL	280	24-#12	23.11	39.22	42.42	50.79	3312	406	470	0.11	0.13	0.38	0.07	509	0.18	0.19	0.38	0.07
QVYØØZC	1000 MCM AL	280	31-#12	26.92	43.03	46.23	54.60	4024	457	531	0.09	0.12	0.29	0.06	552	0.16	0.17	0.29	0.06

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

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

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.

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.

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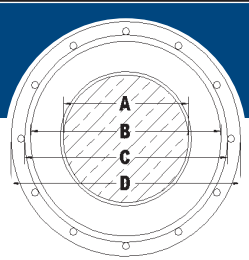

TRXLPE URD CSA

28kV 100%

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% Copper Single Phase – Full Neutral																			
QV5Ø1ZC	1 SOLID CU	280	13-#12	7.34	23.04	24.92	31.87	1453	279	187	1.04	0.11	1.04	0.11	244	1.04	0.11	1.04	0.11
QV6Ø1ZC	1 AWG CU	280	13-#12	7.59	23.19	25.07	32.02	1466	279	186	1.06	0.11	1.06	0.11	244	1.06	0.11	1.06	0.11
QV7Ø1ZC	1/0 SOLID CU	280	16-#12	8.26	23.95	25.83	32.78	1672	279	211	0.84	0.11	0.84	0.11	277	0.84	0.11	0.84	0.11
QV8Ø1ZC	1/0 AWG CU	280	16-#12	8.59	24.18	26.06	33.01	1687	279	211	0.85	0.11	0.85	0.11	276	0.85	0.11	0.85	0.11
QV9Ø1ZC	2/0 AWG CU	280	20-#12	9.60	25.20	27.08	34.03	1962	279	240	0.68	0.10	0.68	0.10	314	0.68	0.10	0.68	0.10
QVAØ1ZC	3/0 AWG CU	280	26-#12	10.82	26.42	28.75	35.70	2362	305	276	0.53	0.10	0.53	0.10	359	0.53	0.10	0.53	0.10
QVB01ZC	4/0 AWG CU	280	32-#12	12.14	27.74	30.07	37.02	2780	305	312	0.42	0.09	0.42	0.09	407	0.42	0.09	0.42	0.09
28kV 100% Copper Three Phase – One-Third Neutral																			
QV5ØØZC	1 SOLID CU	280	11-#16	7.34	23.04	24.92	30.34	1139	254	188	0.52	0.17	2.04	0.11	249	0.55	0.33	2.00	0.11
QV6ØØZC	1 AWG CU	280	11-#16	7.59	23.19	25.07	30.50	1152	254	186	0.53	0.17	2.06	0.11	247	0.56	0.33	2.01	0.11
QV7ØØZC	1/0 SOLID CU	280	14-#16	8.26	23.95	25.83	31.26	1304	254	213	0.41	0.17	1.61	0.11	280	0.45	0.32	1.58	0.11
QV8ØØZC	1/0 AWG CU	280	14-#16	8.59	24.18	26.06	31.49	1318	254	212	0.42	0.17	1.62	0.11	278	0.46	0.32	1.59	0.11
QV9ØØZC	2/0 AWG CU	280	17-#16	9.60	25.20	27.08	32.50	1511	279	240	0.34	0.16	1.32	0.10	312	0.38	0.30	1.30	0.10
QVAØØZC	3/0 AWG CU	280	21-#16	10.82	26.42	28.75	34.18	1782	279	273	0.27	0.16	1.07	0.10	347	0.32	0.29	1.05	0.10
QVBØØZC	4/0 AWG CU	280	27-#16	12.14	27.74	30.07	35.50	2094	305	309	0.22	0.15	0.84	0.09	382	0.27	0.28	0.83	0.09
QVCØØZC	250 MCM CU	280	21-#14	13.28	29.13	31.47	37.57	2453	305	338	0.19	0.15	0.69	0.09	407	0.25	0.26	0.68	0.09
QVDØØZC	350 MCM CU	280	28-#14	15.72	31.57	33.91	40.01	3128	330	402	0.14	0.14	0.51	0.08	458	0.21	0.23	0.51	0.08
QVEØØZC	500 MCM CU	280	26-#12	18.77	34.62	36.96	45.33	4320	381	473	0.11	0.13	0.35	0.07	502	0.18	0.19	0.35	0.07
QVFØØXC	750 MCM CU	280	25-#10	24.59	40.69	43.89	53.34	6319	432	557	0.08	0.12	0.23	0.07	568	0.15	0.15	0.23	0.07
QVGØØXC	1000 MCM CU	280	32-#10	28.37	44.48	47.68	57.12	7968	457	609	0.07	0.11	0.18	0.06	620	0.13	0.12	0.18	0.06

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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

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.

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.

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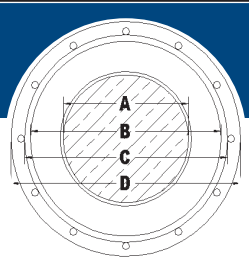

TRXLPE URD CSA

28kV 133%

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																			
QBPØ1ZC	1/0 SOLID AL	345	16-#14	8.26	27.41	29.74	35.84	1332	305	165	1.36	0.10	1.36	0.11	218	1.36	0.10	1.36	0.11
QBQØ1ZC	1/0 AWG AL	345	16-#14	8.59	27.64	29.97	36.07	1345	305	165	1.38	0.10	1.38	0.11	217	1.38	0.10	1.38	0.11
QBRØ1ZC	2/0 AWG AL	345	13-#12	9.60	28.65	30.99	37.94	1555	305	189	1.08	0.10	1.08	0.10	247	1.08	0.10	1.08	0.10
QBSØ1ZC	3/0 AWG AL	345	16-#12	10.82	29.87	32.21	39.16	1739	330	216	0.86	0.10	0.86	0.10	281	0.86	0.10	0.86	0.10
QBTØ1ZC	4/0 AWG AL	345	20-#12	12.14	31.19	33.53	40.48	1919	330	245	0.69	0.09	0.69	0.09	319	0.69	0.09	0.69	0.09
QBUØ1ZC	250 MCM AL	345	23-#12	13.28	32.59	34.93	41.87	2203	356	268	0.59	0.09	0.59	0.09	348	0.59	0.09	0.59	0.09
QBVØ1ZC	350 MCM AL	345	33-#12	15.72	35.03	37.36	45.74	2836	381	327	0.42	0.08	0.42	0.08	423	0.42	0.08	0.42	0.08
28kV 133% Aluminum Three Phase – One-Third Neutral																			
QBPØØZC	1/0 SOLID AL	345	9-#16	8.26	27.41	29.74	35.17	1113	305	166	0.68	0.17	2.54	0.11	222	0.70	0.32	2.49	0.11
QBQØØZC	1/0 AWG AL	345	9-#16	8.59	27.64	29.97	35.40	1126	305	165	0.70	0.17	2.56	0.11	220	0.72	0.32	2.51	0.11
QBRØØZC	2/0 AWG AL	345	11-#16	9.60	28.65	30.99	36.41	1227	305	188	0.55	0.16	2.08	0.10	249	0.58	0.31	2.04	0.10
QBSØØZC	3/0 AWG AL	345	14-#16	10.82	29.87	32.21	37.63	1357	305	214	0.44	0.16	1.64	0.10	281	0.47	0.30	1.61	0.10
QBTØØZC	4/0 AWG AL	345	17-#16	12.14	31.19	33.53	38.95	1454	330	243	0.35	0.15	1.34	0.09	314	0.39	0.29	1.32	0.09
QBUØØZC	250 MCM AL	345	21-#16	13.28	32.59	34.93	40.35	1674	330	266	0.30	0.15	1.10	0.09	340	0.34	0.28	1.08	0.09
QBVØØZC	350 MCM AL	345	27-#16	15.72	35.03	37.36	44.21	2072	356	320	0.21	0.14	0.84	0.08	395	0.27	0.26	0.83	0.08
QBWØØZC	500 MCM AL	345	25-#14	18.80	38.10	40.44	47.96	2611	406	386	0.16	0.13	0.58	0.07	449	0.22	0.23	0.57	0.07
QBXØØZC	750 MCM AL	345	24-#12	23.11	42.67	45.87	54.24	3579	457	470	0.11	0.13	0.38	0.07	509	0.18	0.19	0.38	0.07
QBYØØZC	1000 MCM AL	345	31-#12	26.92	46.48	49.68	58.05	4309	483	531	0.09	0.12	0.29	0.06	552	0.16	0.17	0.29	0.06

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

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

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.

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.

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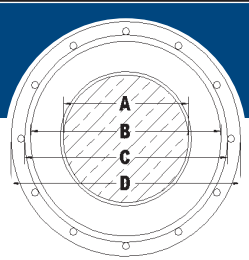

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- 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				
28kV 133% Copper Single Phase – Full Neutral																			
QB7Ø1ZC	1/0 SOLID CU	345	16-#12	8.26	27.41	29.74	36.69	1876	305	211	0.84	0.11	0.84	0.11	277	0.84	0.11	0.84	0.11
QB8Ø1ZC	1/0 AWG CU	345	16-#12	8.59	27.64	29.97	36.92	1892	305	211	0.85	0.11	0.85	0.11	276	0.85	0.11	0.85	0.11
QB9Ø1ZC	2/0 AWG CU	345	20-#12	9.60	28.65	30.99	37.94	2173	305	240	0.68	0.10	0.68	0.10	314	0.68	0.10	0.68	0.10
QBAØ1ZC	3/0 AWG CU	345	26-#12	10.82	29.87	32.21	39.16	2552	330	276	0.53	0.10	0.53	0.10	359	0.53	0.10	0.53	0.10
QBBØ1ZC	4/0 AWG CU	345	32-#12	12.14	31.19	33.53	40.48	2977	330	312	0.42	0.09	0.42	0.09	407	0.42	0.09	0.42	0.09
28kV 133% Copper Three Phase – One-Third Neutral																			
QB7ØØZC	1/0 SOLID CU	345	14-#16	8.26	27.41	29.74	35.17	1499	305	213	0.41	0.17	1.61	0.11	280	0.45	0.32	1.58	0.11
QB8ØØZC	1/0 AWG CU	345	14-#16	8.59	27.64	29.97	35.40	1515	305	212	0.42	0.17	1.62	0.11	278	0.46	0.32	1.59	0.11
QB9ØØZC	2/0 AWG CU	345	17-#16	9.60	28.65	30.99	36.41	1714	305	240	0.34	0.16	1.32	0.10	312	0.38	0.30	1.30	0.10
QBAØØZC	3/0 AWG CU	345	21-#16	10.82	29.87	32.21	37.63	1965	305	273	0.27	0.16	1.07	0.10	347	0.32	0.29	1.05	0.10
QBBØØZC	4/0 AWG CU	345	27-#16	12.14	31.19	33.53	38.95	2283	330	309	0.22	0.15	0.84	0.09	382	0.27	0.28	0.83	0.09
QBCØØZC	250 MCM CU	345	21-#14	13.28	32.59	34.93	41.03	2652	330	338	0.19	0.15	0.69	0.09	407	0.25	0.26	0.68	0.09
QBDØØZC	350 MCM CU	345	28-#14	15.72	35.03	37.36	44.89	3431	381	402	0.14	0.14	0.51	0.08	458	0.21	0.23	0.51	0.08
QBEØØZC	500 MCM CU	345	26-#12	18.77	38.07	40.41	48.78	4559	406	473	0.11	0.13	0.35	0.07	502	0.18	0.19	0.35	0.07
QBFØØXC	750 MCM CU	345	25-#10	24.59	44.15	47.35	56.79	6599	457	557	0.08	0.12	0.23	0.07	568	0.15	0.15	0.23	0.07
QBGØØXC	1000 MCM CU	345	32-#10	28.37	47.93	51.13	60.58	8267	508	609	0.07	0.11	0.18	0.06	620	0.13	0.12	0.18	0.06

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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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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.

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.

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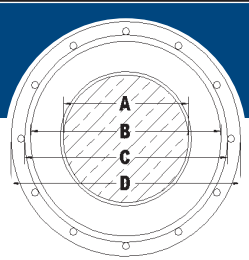

TRXLPE URD CSA

35kV 100%

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% Aluminum Single Phase – Full Neutral																			
QBPØ1ZC	1/0 SOLID AL	345	16-#14	8.26	27.41	29.74	35.84	1332	305	168	1.36	0.11	1.36	0.12	217	1.36	0.11	1.36	0.12
QBQØ1ZC	1/0 AWG AL	345	16-#14	8.59	27.64	29.97	36.07	1345	305	169	1.38	0.11	1.38	0.11	218	1.38	0.11	1.38	0.11
QBRØ1ZC	2/0 AWG AL	345	13-#12	9.60	28.65	30.99	37.94	1555	305	194	1.08	0.10	1.08	0.11	249	1.08	0.10	1.08	0.11
QBSØ1ZC	3/0 AWG AL	345	16-#12	10.82	29.87	32.21	39.16	1739	330	220	0.86	0.10	0.86	0.10	283	0.86	0.10	0.86	0.10
QBTØ1ZC	4/0 AWG AL	345	20-#12	12.14	31.19	33.53	40.48	1919	330	250	0.69	0.10	0.69	0.10	321	0.69	0.10	0.69	0.10
QBUØ1ZC	250 MCM AL	345	23-#12	13.28	32.59	34.93	41.87	2203	356	280	0.56	0.09	0.56	0.09	353	0.56	0.09	0.56	0.09
QBVØ1ZC	350 MCM AL	345	33-#12	15.72	35.03	37.36	45.74	2836	381	331	0.42	0.08	0.42	0.09	417	0.42	0.08	0.42	0.09
35kV 100% Aluminum Three Phase – One-Third Neutral																			
QBPØØZC	1/0 SOLID AL	345	9-#16	8.26	27.41	29.74	35.17	1113	305	168	0.68	0.18	2.44	0.12	219	0.70	0.32	2.39	0.12
QBQØØZC	1/0 AWG AL	345	9-#16	8.59	27.64	29.97	35.40	1126	305	168	0.70	0.17	2.46	0.11	219	0.72	0.32	2.41	0.11
QBRØØZC	2/0 AWG AL	345	11-#16	9.60	28.65	30.99	36.41	1227	305	191	0.55	0.17	2.07	0.11	248	0.58	0.31	2.03	0.11
QBSØØZC	3/0 AWG AL	345	14-#16	10.82	29.87	32.21	37.63	1357	305	218	0.44	0.16	1.62	0.10	280	0.47	0.30	1.59	0.10
QBTØØZC	4/0 AWG AL	345	17-#16	12.14	31.19	33.53	38.95	1454	330	247	0.35	0.16	1.32	0.09	314	0.39	0.28	1.30	0.09
QBUØØZC	250 MCM AL	345	21-#16	13.28	32.59	34.93	40.35	1674	330	271	0.30	0.15	1.12	0.09	339	0.34	0.27	1.10	0.09
QBVØØZC	350 MCM AL	345	27-#16	15.72	35.03	37.36	44.21	2072	356	325	0.22	0.14	0.81	0.08	394	0.27	0.25	0.80	0.08
QBWØØZC	500 MCM AL	345	25-#14	18.80	38.10	40.44	47.96	2611	406	392	0.16	0.14	0.57	0.08	452	0.21	0.23	0.56	0.08
QBXØØZC	750 MCM AL	345	24-#12	23.11	42.67	45.87	54.24	3579	457	476	0.11	0.13	0.38	0.07	517	0.18	0.19	0.38	0.07
QBYØØZC	1000 MCM AL	345	31-#12	26.92	46.48	49.68	58.05	4309	483	536	0.09	0.12	0.29	0.07	559	0.15	0.17	0.29	0.07

†Ampacities are based on the following:

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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

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.

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.

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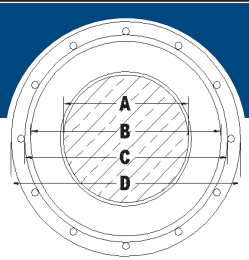

TRXLPE URD CSA

35kV 100%

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																			
QB7Ø1ZC	1/0 SOLID CU	345	16-#12	8.26	27.41	29.74	36.69	1876	305	215	0.84	0.12	0.84	0.12	276	0.84	0.12	0.84	0.12
QB8Ø1ZC	1/0 AWG CU	345	16-#12	8.59	27.64	29.97	36.92	1892	305	217	0.85	0.11	0.85	0.11	278	0.85	0.11	0.85	0.11
QB9Ø1ZC	2/0 AWG CU	345	20-#12	9.60	28.65	30.99	37.94	2173	305	248	0.67	0.11	0.67	0.11	316	0.67	0.11	0.67	0.11
QBAØ1ZC	3/0 AWG CU	345	26-#12	10.82	29.87	32.21	39.16	2552	330	281	0.53	0.10	0.53	0.10	358	0.53	0.10	0.53	0.10
QBBØ1ZC	4/0 AWG CU	345	32-#12	12.14	31.19	33.53	40.48	2977	330	319	0.43	0.10	0.43	0.10	402	0.43	0.10	0.43	0.10
35kV 100% Copper Three Phase – One-Third Neutral																			
QB7ØØZC	1/0 SOLID CU	345	14-#16	8.26	27.41	29.74	35.17	1499	305	216	0.41	0.18	1.59	0.12	277	0.45	0.32	1.56	0.12
QB8ØØZC	1/0 AWG CU	345	14-#16	8.59	27.64	29.97	35.40	1515	305	216	0.42	0.17	1.60	0.11	278	0.46	0.31	1.57	0.11
QB9ØØZC	2/0 AWG CU	345	17-#16	9.60	28.65	30.99	36.41	1714	305	245	0.34	0.17	1.30	0.11	311	0.38	0.30	1.28	0.11
QBAØØZC	3/0 AWG CU	345	21-#16	10.82	29.87	32.21	37.63	1965	305	278	0.27	0.16	1.03	0.10	347	0.32	0.29	1.01	0.10
QBBØØZC	4/0 AWG CU	345	27-#16	12.14	31.19	33.53	38.95	2283	330	314	0.22	0.16	0.80	0.09	383	0.27	0.27	0.79	0.09
QBCØØZC	250 MCM CU	345	21-#14	13.28	32.59	34.93	41.03	2652	330	344	0.19	0.15	0.69	0.09	408	0.24	0.26	0.68	0.09
QBDØØZC	350 MCM CU	345	28-#14	15.72	35.03	37.36	44.89	3431	381	408	0.14	0.15	0.50	0.08	461	0.20	0.23	0.50	0.08
QBEØØZC	500 MCM CU	345	26-#12	18.77	38.07	40.41	48.78	4559	406	480	0.11	0.14	0.34	0.08	510	0.17	0.19	0.34	0.08
QBFØØXC	750 MCM CU	345	25-#10	24.59	44.15	47.35	56.79	6599	457	562	0.08	0.13	0.24	0.07	572	0.15	0.16	0.24	0.07
QBGØØXC	1000 MCM CU	345	32-#10	28.37	47.93	51.13	60.58	8267	508	612	0.07	0.12	0.18	0.07	624	0.13	0.13	0.18	0.07

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PRODUCT NOTES:

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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.

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.

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.

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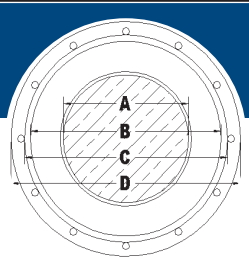

TRXLPE URD CSA

35kV 133%

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% Aluminum Single Phase – Full Neutral																			
QCPØ1ZC	1/0 SOLID AL	420	16-#14	8.26	31.37	33.71	39.81	1552	330	168	1.36	0.11	1.36	0.12	217	1.36	0.11	1.36	0.12
QCQØ1ZC	1/0 AWG AL	420	16-#14	8.59	31.60	33.93	40.04	1566	330	169	1.38	0.11	1.38	0.11	218	1.38	0.11	1.38	0.11
QCRØ1ZC	2/0 AWG AL	420	13-#12	9.60	32.61	34.95	41.90	1787	356	194	1.08	0.10	1.08	0.11	249	1.08	0.10	1.08	0.11
QCSØ1ZC	3/0 AWG AL	420	16-#12	10.82	33.83	36.17	44.54	2070	381	220	0.86	0.10	0.86	0.10	283	0.86	0.10	0.86	0.10
QCTØ1ZC	4/0 AWG AL	420	20-#12	12.14	35.15	37.49	45.86	2260	381	250	0.69	0.10	0.69	0.10	321	0.69	0.10	0.69	0.10
QCUØ1ZC	250 MCM AL	420	23-#12	13.28	36.55	38.89	47.26	2555	381	280	0.56	0.09	0.56	0.09	353	0.56	0.09	0.56	0.09
QCVØ1ZC	350 MCM AL	420	33-#12	15.72	38.99	42.19	50.56	3189	406	331	0.42	0.08	0.42	0.09	417	0.42	0.08	0.42	0.09
35kV 133% Aluminum Three Phase – One-Third Neutral																			
QCPØØZC	1/0 SOLID AL	420	9-#16	8.26	31.37	33.71	39.13	1329	330	168	0.68	0.18	2.44	0.12	219	0.70	0.32	2.39	0.12
QCQØØZC	1/0 AWG AL	420	9-#16	8.59	31.60	33.93	39.36	1343	330	168	0.70	0.17	2.46	0.11	219	0.72	0.32	2.41	0.11
QCRØØZC	2/0 AWG AL	420	11-#16	9.60	32.61	34.95	40.38	1450	330	191	0.55	0.17	2.07	0.11	248	0.58	0.31	2.03	0.11
QCSØØZC	3/0 AWG AL	420	14-#16	10.82	33.83	36.17	41.60	1587	356	218	0.44	0.16	1.62	0.10	280	0.47	0.30	1.59	0.10
QCTØØZC	4/0 AWG AL	420	17-#16	12.14	35.15	37.49	44.34	1782	356	247	0.35	0.16	1.32	0.09	314	0.39	0.28	1.30	0.09
QCUØØZC	250 MCM AL	420	21-#16	13.28	36.55	38.89	45.74	2013	381	271	0.30	0.15	1.12	0.09	339	0.34	0.27	1.10	0.09
QCVØØZC	350 MCM AL	420	27-#16	15.72	38.99	42.19	49.04	2414	406	325	0.22	0.14	0.81	0.08	394	0.27	0.25	0.80	0.08
QCWØØZC	500 MCM AL	420	25-#14	18.80	42.06	45.26	52.79	2980	432	392	0.16	0.14	0.57	0.08	452	0.21	0.23	0.56	0.08
QCXØØZC	750 MCM AL	420	24-#12	23.11	46.63	49.83	58.21	3906	483	476	0.11	0.13	0.38	0.07	517	0.18	0.19	0.38	0.07
QCYØØZC	1000 MCM AL	420	31-#12	26.92	50.44	53.64	62.02	4658	508	536	0.09	0.12	0.29	0.07	559	0.15	0.17	0.29	0.07

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

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

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.

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.

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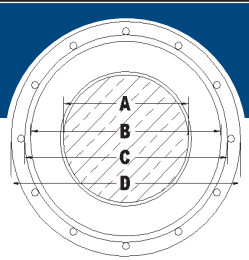

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- 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% Copper Single Phase – Full Neutral																			
QC7Ø1ZC	1/0 SOLID CU	420	16-#12	8.26	31.37	33.71	40.66	2101	330	215	0.84	0.12	0.84	0.12	276	0.84	0.12	0.84	0.12
QC8Ø1ZC	1/0 AWG CU	420	16-#12	8.59	31.60	33.93	40.88	2119	330	217	0.85	0.11	0.85	0.11	278	0.85	0.11	0.85	0.11
QC9Ø1ZC	2/0 AWG CU	420	20-#12	9.60	32.61	34.95	41.90	2406	356	248	0.67	0.11	0.67	0.11	316	0.67	0.11	0.67	0.11
QCAØ1ZC	3/0 AWG CU	420	26-#12	10.82	33.83	36.17	44.54	2883	381	281	0.53	0.10	0.53	0.10	358	0.53	0.10	0.53	0.10
QCBØ1ZC	4/0 AWG CU	420	32-#12	12.14	35.15	37.49	45.86	3318	381	319	0.43	0.10	0.43	0.10	402	0.43	0.10	0.43	0.10
35kV 133% Copper Three Phase – One-Third Neutral																			
QC7ØØZC	1/0 SOLID CU	420	14-#16	8.26	31.37	33.71	39.13	1715	330	216	0.41	0.18	1.59	0.12	277	0.45	0.32	1.56	0.12
QC8ØØZC	1/0 AWG CU	420	14-#16	8.59	31.60	33.93	39.36	1732	330	216	0.42	0.17	1.60	0.11	278	0.46	0.31	1.57	0.11
QC9ØØZC	2/0 AWG CU	420	17-#16	9.60	32.61	34.95	40.38	1937	330	245	0.34	0.17	1.30	0.11	311	0.38	0.30	1.28	0.11
QCAØØZC	3/0 AWG CU	420	21-#16	10.82	33.83	36.17	41.60	2195	356	278	0.27	0.16	1.03	0.10	347	0.32	0.29	1.01	0.10
QCBØØZC	4/0 AWG CU	420	27-#16	12.14	35.15	37.49	44.34	2612	356	314	0.22	0.16	0.80	0.09	383	0.27	0.27	0.79	0.09
QCCØØZC	250 MCM CU	420	21-#14	13.28	36.55	38.89	46.41	2997	381	344	0.19	0.15	0.69	0.09	408	0.24	0.26	0.68	0.09
QCDØØZC	350 MCM CU	420	28-#14	15.72	38.99	42.19	49.71	3778	406	408	0.14	0.15	0.50	0.08	461	0.20	0.23	0.50	0.08
QCEØØZC	500 MCM CU	420	26-#12	18.77	42.04	45.24	53.61	4934	432	480	0.11	0.14	0.34	0.08	510	0.17	0.19	0.34	0.08
QCFØØXC	750 MCM CU	420	25-#10	24.59	48.11	51.31	60.76	6941	508	562	0.08	0.13	0.24	0.07	572	0.15	0.16	0.24	0.07
QCGØØXC	1000 MCM CU	420	32-#10	28.37	51.89	55.09	64.54	8631	533	612	0.07	0.12	0.18	0.07	624	0.13	0.13	0.18	0.07

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

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

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.

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.

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