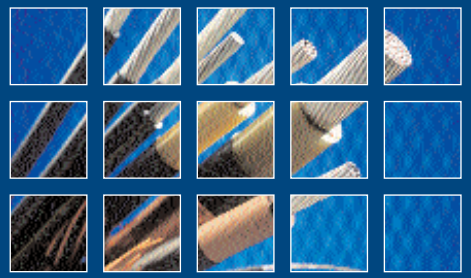
5-46kV TRXLPE URD CSA



2012.01.25

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

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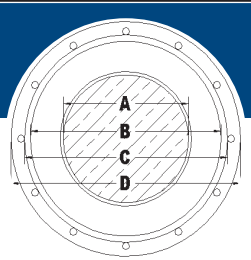

TRXLPE URD CSA

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																			
Q4L01ZC	2 SOLID AL	90	10-#14	6.55	12.40	14.27	20.38	536	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	542	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	629	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	636	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	730	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	738	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	910	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	1069	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	1221	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	1475	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	1963	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	407	178	123	1.08	0.15	4.03	0.08	180	1.10	0.34	3.55	0.08
Q4MØØZC	2 AWG AL	90	6-#16	6.81	12.55	14.43	19.85	412	178	122	1.10	0.15	4.05	0.08	180	1.12	0.34	3.58	0.08
Q4NØØZC	1 SOLID AL	90	7-#16	7.34	13.18	15.06	20.49	457	178	140	0.86	0.15	3.39	0.07	204	0.88	0.33	3.33	0.07
Q4OØØZC	1 AWG AL	90	7-#16	7.65	13.39	15.27	20.69	464	178	139	0.87	0.14	3.41	0.07	204	0.90	0.30	3.36	0.07
Q4PØØZC	1/0 SOLID AL	90	9-#16	8.26	14.10	15.98	21.40	526	178	159	0.68	0.14	2.65	0.07	230	0.71	0.32	2.61	0.07
Q4QØØZC	1/0 AWG AL	90	9-#16	8.59	14.33	16.21	21.63	534	178	158	0.70	0.14	2.67	0.07	230	0.73	0.31	2.63	0.07
Q4RØØZC	2/0 AWG AL	90	11-#16	9.60	15.34	17.22	22.65	614	203	180	0.55	0.13	2.17	0.06	260	0.59	0.30	2.14	0.06
Q4SØØZC	3/0 AWG AL	90	14-#16	10.82	16.56	18.44	23.87	720	203	206	0.44	0.13	1.71	0.06	292	0.48	0.29	1.69	0.06
Q4TØØZC	4/0 AWG AL	90	17-#16	12.14	17.88	19.76	25.19	789	203	234	0.35	0.12	1.40	0.06	325	0.40	0.28	1.38	0.06
Q4UØØZC	250 MCM AL	90	21-#16	13.28	19.28	21.16	26.58	980	229	258	0.30	0.12	1.14	0.05	349	0.35	0.27	1.13	0.05
Q4VØØZC	350 MCM AL	90	27-#16	15.72	21.72	23.60	29.02	1238	254	311	0.22	0.11	0.87	0.05	402	0.28	0.25	0.87	0.05
Q4WØØZC	500 MCM AL	90	25-#14	18.80	24.79	26.67	32.77	1692	279	377	0.16	0.11	0.58	0.05	451	0.23	0.22	0.58	0.05
Q4XØØZC	750 MCM AL	90	24-#12	23.11	29.36	31.70	38.65	2489	330	461	0.11	0.11	0.39	0.04	506	0.19	0.18	0.39	0.04
Q4YØØZC	1000 MCM AL	90	31-#12	26.92	33.17	35.51	43.88	3211	356	520	0.09	0.10	0.30	0.04	543	0.17	0.15	0.30	0.04

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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.

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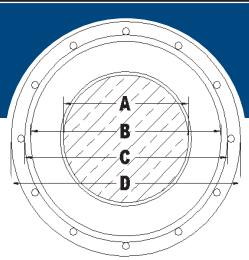

TRXLPE URD CSA

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																			
Q4301ZC	2 SOLID CU	90	16-#14	6.55	12.40	14.27	20.38	849	178	152	1.34	0.08	1.34	0.08	215	1.34	0.08	1.34	0.08
Q4401ZC	2 AWG CU	90	16-#14	6.81	12.55	14.43	20.53	857	178	153	1.35	0.08	1.35	0.08	217	1.35	0.08	1.35	0.08
Q4501ZC	1 SOLID CU	90	13-#12	7.34	13.18	15.06	22.01	1050	178	175	1.04	0.08	1.04	0.08	245	1.04	0.08	1.04	0.08
Q4601ZC	1 AWG CU	90	13-#12	7.59	13.34	15.21	22.16	1061	178	176	1.06	0.08	1.06	0.08	247	1.06	0.08	1.06	0.08
Q4701ZC	1/0 SOLID CU	90	16-#12	8.26	14.10	15.98	22.93	1255	203	198	0.84	0.08	0.84	0.07	277	0.84	0.08	0.84	0.07
Q4801ZC	1/0 AWG CU	90	16-#12	8.59	14.33	16.21	23.15	1267	203	200	0.85	0.07	0.85	0.07	280	0.85	0.07	0.85	0.07
Q4901ZC	2/0 AWG CU	90	20-#12	9.60	15.34	17.22	24.17	1527	203	231	0.67	0.07	0.67	0.07	317	0.67	0.07	0.67	0.07
Q4A01ZC	3/0 AWG CU	90	26-#12	10.82	16.56	18.44	25.39	1880	203	262	0.53	0.07	0.53	0.07	359	0.53	0.07	0.53	0.07
Q4B01ZC	4/0 AWG CU	90	32-#12	12.14	17.88	19.76	26.71	2278	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																			
Q4300ZC	2 SOLID CU	90	9-#16	6.55	12.40	14.27	19.70	647	178	157	0.66	0.15	2.45	0.08	227	0.69	0.34	2.41	0.08
Q4400ZC	2 AWG CU	90	9-#16	6.81	12.55	14.43	19.85	655	178	158	0.67	0.15	2.47	0.08	228	0.70	0.34	2.43	0.08
Q4500ZC	1 SOLID CU	90	11-#16	7.34	13.18	15.06	20.49	760	178	179	0.52	0.15	2.06	0.08	256	0.56	0.33	2.03	0.08
Q4600ZC	1 AWG CU	90	11-#16	7.59	13.34	15.21	20.64	771	178	180	0.53	0.14	2.08	0.07	256	0.57	0.32	2.05	0.07
Q4700ZC	1/0 SOLID CU	90	14-#16	8.26	14.10	15.98	21.40	912	178	204	0.41	0.14	1.61	0.07	286	0.46	0.31	1.59	0.07
Q4800ZC	1/0 AWG CU	90	14-#16	8.59	14.33	16.21	21.63	923	178	205	0.42	0.14	1.62	0.07	287	0.47	0.31	1.60	0.07
Q4900ZC	2/0 AWG CU	90	17-#16	9.60	15.34	17.22	22.65	1101	203	233	0.34	0.13	1.32	0.07	320	0.39	0.29	1.31	0.07
Q4A00ZC	3/0 AWG CU	90	21-#16	10.82	16.56	18.44	23.87	1326	203	265	0.27	0.13	1.04	0.06	353	0.33	0.28	1.03	0.06
Q4B00ZC	4/0 AWG CU	90	27-#16	12.14	17.88	19.76	25.19	1618	203	301	0.22	0.12	0.82	0.06	385	0.29	0.26	0.81	0.06
Q4C00ZC	250 MCM CU	90	21-#14	13.28	19.28	21.16	27.26	1943	229	331	0.19	0.12	0.70	0.06	408	0.26	0.25	0.70	0.06
Q4D00ZC	350 MCM CU	90	28-#14	15.72	21.72	23.60	29.70	2581	254	393	0.14	0.11	0.51	0.05	452	0.22	0.21	0.50	0.05
Q4E00ZC	500 MCM CU	90	26-#12	18.77	24.77	26.64	33.59	3619	279	464	0.11	0.11	0.34	0.05	494	0.19	0.17	0.34	0.05
Q4F00XC	750 MCM CU	90	25-#10	24.59	30.84	33.17	41.20	5448	330	542	0.08	0.11	0.24	0.05	550	0.16	0.14	0.24	0.05
Q4G00XC	1000 MCM CU	90	32-#10	28.37	34.62	36.96	46.41	7112	381	588	0.07	0.10	0.18	0.04	603	0.13	0.11	0.18	0.04

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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.

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

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.

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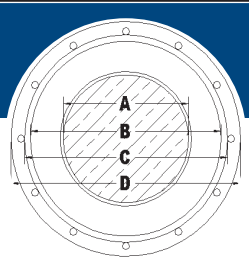

TRXLPE URD CSA

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																			
Q5L01ZC	2 SOLID AL	115	10-#14	6.55	13.67	15.54	21.65	575	178	120	2.17	0.09	2.17	0.09	169	2.17	0.09	2.17	0.09
Q5M01ZC	2 AWG AL	115	10-#14	6.81	13.82	15.70	21.80	581	178	120	2.20	0.09	2.20	0.09	169	2.20	0.09	2.20	0.09
Q5N01ZC	1 SOLID AL	115	13-#14	7.34	14.45	16.33	22.43	669	203	138	1.70	0.08	1.70	0.08	193	1.70	0.08	1.70	0.08
Q5O01ZC	1 AWG AL	115	13-#14	7.65	14.66	16.54	22.64	677	203	138	1.72	0.08	1.72	0.08	193	1.72	0.08	1.72	0.08
Q5P01ZC	1/0 SOLID AL	115	16-#14	8.26	15.37	17.25	23.35	772	203	157	1.36	0.08	1.36	0.08	219	1.36	0.08	1.36	0.08
Q5Q01ZC	1/0 AWG AL	115	16-#14	8.59	15.60	17.48	23.58	781	203	156	1.38	0.08	1.38	0.08	218	1.38	0.08	1.38	0.08
Q5R01ZC	2/0 AWG AL	115	13-#12	9.60	16.61	18.49	25.44	955	229	180	1.08	0.08	1.08	0.07	249	1.08	0.08	1.08	0.07
Q5S01ZC	3/0 AWG AL	115	16-#12	10.82	17.83	19.71	26.66	1117	229	205	0.86	0.07	0.86	0.07	282	0.86	0.07	0.86	0.07
Q5T01ZC	4/0 AWG AL	115	20-#12	12.14	19.15	21.03	27.98	1272	229	234	0.69	0.07	0.69	0.07	320	0.69	0.07	0.69	0.07
Q5U01ZC	250 MCM AL	115	23-#12	13.28	20.55	22.43	29.38	1528	254	257	0.59	0.06	0.59	0.06	350	0.59	0.06	0.59	0.06
Q5V01ZC	350 MCM AL	115	33-#12	15.72	22.99	24.87	31.82	2022	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																			
Q5L00ZC	2 SOLID AL	115	7-#16	6.55	13.67	15.54	20.97	455	178	123	1.08	0.15	3.50	0.09	178	1.10	0.34	3.44	0.09
Q5M00ZC	2 AWG AL	115	7-#16	6.81	13.82	15.70	21.12	461	178	123	1.10	0.16	3.52	0.09	177	1.12	0.34	3.46	0.09
Q5N00ZC	1 SOLID AL	115	7-#16	7.34	14.45	16.33	21.76	496	178	140	0.86	0.15	3.28	0.08	202	0.88	0.33	3.23	0.08
Q5O00ZC	1 AWG AL	115	7-#16	7.65	14.66	16.54	21.96	503	178	140	0.87	0.15	3.30	0.08	201	0.90	0.33	3.25	0.08
Q5P00ZC	1/0 SOLID AL	115	9-#16	8.26	15.37	17.25	22.67	567	203	160	0.68	0.14	2.57	0.08	229	0.71	0.32	2.53	0.08
Q5Q00ZC	1/0 AWG AL	115	9-#16	8.59	15.60	17.48	22.90	576	203	159	0.70	0.14	2.59	0.08	227	0.73	0.32	2.55	0.08
Q5R00ZC	2/0 AWG AL	115	11-#16	9.60	16.61	18.49	23.92	657	203	181	0.55	0.14	2.10	0.07	256	0.59	0.31	2.07	0.07
Q5S00ZC	3/0 AWG AL	115	14-#16	10.82	17.83	19.71	25.14	765	203	207	0.44	0.13	1.65	0.07	287	0.48	0.30	1.63	0.07
Q5T00ZC	4/0 AWG AL	115	17-#16	12.14	19.15	21.03	26.46	837	229	235	0.35	0.13	1.35	0.06	320	0.40	0.29	1.34	0.06
Q5U00ZC	250 MCM AL	115	21-#16	13.28	20.55	22.43	27.85	1031	229	259	0.30	0.12	1.11	0.06	345	0.35	0.27	1.10	0.06
Q5V00ZC	350 MCM AL	115	27-#16	15.72	22.99	24.87	30.29	1293	254	312	0.22	0.12	0.84	0.06	397	0.28	0.25	0.84	0.06
Q5W00ZC	500 MCM AL	115	25-#14	18.80	26.06	28.40	34.50	1784	279	378	0.16	0.11	0.58	0.05	447	0.23	0.22	0.58	0.05
Q5X00ZC	750 MCM AL	115	24-#12	23.11	30.63	32.97	39.92	2563	330	461	0.11	0.11	0.38	0.05	501	0.19	0.18	0.38	0.05
Q5Y00ZC	1000 MCM AL	115	31-#12	26.92	34.44	36.78	45.15	3293	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:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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.

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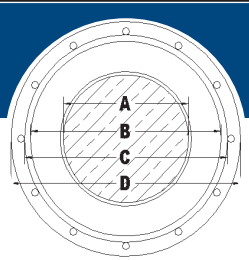

TRXLPE URD CSA

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																			
Q5301ZC	2 SOLID CU	115	16-#14	6.55	13.67	15.54	21.65	889	178	154	1.34	0.09	1.34	0.08	215	1.34	0.09	1.34	0.08
Q5401ZC	2 AWG CU	115	16-#14	6.81	13.82	15.70	21.80	896	178	153	1.35	0.09	1.35	0.08	215	1.35	0.09	1.35	0.08
Q5501ZC	1 SOLID CU	115	13-#12	7.34	14.45	16.33	23.28	1093	203	177	1.04	0.08	1.04	0.08	245	1.04	0.08	1.04	0.08
Q5601ZC	1 AWG CU	115	13-#12	7.59	14.61	16.48	23.43	1104	203	176	1.06	0.09	1.06	0.08	244	1.06	0.09	1.06	0.08
Q5701ZC	1/0 SOLID CU	115	16-#12	8.26	15.37	17.25	24.20	1299	203	200	0.84	0.08	0.84	0.07	277	0.84	0.08	0.84	0.07
Q5801ZC	1/0 AWG CU	115	16-#12	8.59	15.60	17.48	24.42	1312	203	200	0.85	0.08	0.85	0.07	277	0.85	0.08	0.85	0.07
Q5901ZC	2/0 AWG CU	115	20-#12	9.60	16.61	18.49	25.44	1573	229	228	0.68	0.08	0.68	0.07	315	0.68	0.08	0.68	0.07
Q5A01ZC	3/0 AWG CU	115	26-#12	10.82	17.83	19.71	26.66	1929	229	262	0.53	0.07	0.53	0.07	361	0.53	0.07	0.53	0.07
Q5B01ZC	4/0 AWG CU	115	32-#12	12.14	19.15	21.03	27.98	2329	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																			
Q5300ZC	2 SOLID CU	115	9-#16	6.55	13.67	15.54	20.97	685	178	158	0.66	0.15	2.54	0.08	227	0.69	0.34	2.49	0.08
Q5400ZC	2 AWG CU	115	9-#16	6.81	13.82	15.70	21.12	693	178	157	0.67	0.16	2.55	0.08	226	0.70	0.34	2.51	0.08
Q5500ZC	1 SOLID CU	115	11-#16	7.34	14.45	16.33	21.76	800	178	180	0.52	0.15	2.06	0.08	256	0.56	0.33	2.03	0.08
Q5600ZC	1 AWG CU	115	11-#16	7.59	14.61	16.48	21.91	811	178	179	0.53	0.15	2.08	0.07	254	0.57	0.33	2.04	0.07
Q5700ZC	1/0 SOLID CU	115	14-#16	8.26	15.37	17.25	22.67	953	203	205	0.41	0.14	1.63	0.07	286	0.46	0.31	1.60	0.07
Q5800ZC	1/0 AWG CU	115	14-#16	8.59	15.60	17.48	22.90	964	203	204	0.42	0.14	1.64	0.07	285	0.47	0.31	1.61	0.07
Q5900ZC	2/0 AWG CU	115	17-#16	9.60	16.61	18.49	23.92	1144	203	232	0.34	0.14	1.34	0.07	317	0.39	0.30	1.32	0.07
Q5A00ZC	3/0 AWG CU	115	21-#16	10.82	17.83	19.71	25.14	1372	203	263	0.27	0.13	1.08	0.06	351	0.33	0.29	1.07	0.06
Q5B00ZC	4/0 AWG CU	115	27-#16	12.14	19.15	21.03	26.46	1666	229	299	0.22	0.13	0.84	0.06	383	0.29	0.27	0.84	0.06
Q5C00ZC	250 MCM CU	115	21-#14	13.28	20.55	22.43	28.53	1996	229	328	0.19	0.13	0.70	0.06	405	0.26	0.25	0.69	0.06
Q5D00ZC	350 MCM CU	115	28-#14	15.72	22.99	24.87	30.97	2637	254	391	0.14	0.12	0.52	0.05	452	0.22	0.22	0.51	0.05
Q5E00ZC	500 MCM CU	115	26-#12	18.77	26.04	28.37	35.32	3714	305	462	0.11	0.11	0.35	0.05	493	0.19	0.18	0.35	0.05
Q5F00XC	750 MCM CU	115	25-#10	24.59	32.11	34.44	43.89	5606	356	542	0.08	0.11	0.23	0.05	554	0.16	0.13	0.23	0.05
Q5G00XC	1000 MCM CU	115	32-#10	28.37	35.89	38.23	47.68	7199	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:

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.

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

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.

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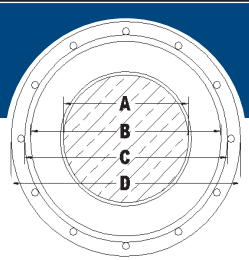

TRXLPE URD CSA

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																			
Q6L01ZC	2 SOLID AL	140	10-#14	6.55	14.99	16.87	22.97	618	203	120	2.17	0.09	2.17	0.09	169	2.17	0.09	2.17	0.09
Q6M01ZC	2 AWG AL	140	10-#14	6.81	15.14	17.02	23.12	625	203	120	2.20	0.09	2.20	0.09	169	2.20	0.09	2.20	0.09
Q6N01ZC	1 SOLID AL	140	13-#14	7.34	15.77	17.65	23.75	714	203	138	1.70	0.08	1.70	0.08	193	1.70	0.08	1.70	0.08
Q6O01ZC	1 AWG AL	140	13-#14	7.65	15.98	17.86	23.96	722	203	138	1.72	0.08	1.72	0.08	193	1.72	0.08	1.72	0.08
Q6P01ZC	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
Q6Q01ZC	1/0 AWG AL	140	16-#14	8.59	16.92	18.80	24.90	819	203	156	1.38	0.08	1.38	0.08	218	1.38	0.08	1.38	0.08
Q6R01ZC	2/0 AWG AL	140	13-#12	9.60	17.93	19.81	26.76	1006	229	180	1.08	0.08	1.08	0.07	249	1.08	0.08	1.08	0.07
Q6S01ZC	3/0 AWG AL	140	16-#12	10.82	19.15	21.03	27.98	1170	229	205	0.86	0.07	0.86	0.07	282	0.86	0.07	0.86	0.07
Q6T01ZC	4/0 AWG AL	140	20-#12	12.14	20.47	22.35	29.30	1328	254	234	0.69	0.07	0.69	0.07	320	0.69	0.07	0.69	0.07
Q6U01ZC	250 MCM AL	140	23-#12	13.28	21.87	23.75	30.70	1586	254	257	0.59	0.06	0.59	0.06	350	0.59	0.06	0.59	0.06
Q6V01ZC	350 MCM AL	140	33-#12	15.72	24.31	26.19	33.14	2085	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																			
Q6L00ZC	2 SOLID AL	140	7-#16	6.55	14.99	16.87	22.29	497	203	124	1.08	0.16	3.50	0.09	177	1.10	0.34	3.43	0.09
Q6M00ZC	2 AWG AL	140	7-#16	6.81	15.14	17.02	22.44	503	203	124	1.10	0.16	3.52	0.09	176	1.12	0.34	3.46	0.09
Q6N00ZC	1 SOLID AL	140	8-#16	7.34	15.77	17.65	23.08	550	203	141	0.86	0.15	2.97	0.09	201	0.88	0.33	2.92	0.09
Q6O00ZC	1 AWG AL	140	8-#16	7.65	15.98	17.86	23.28	558	203	141	0.87	0.15	2.99	0.09	200	0.90	0.33	2.94	0.09
Q6P00ZC	1/0 SOLID AL	140	9-#16	8.26	16.69	18.57	23.99	612	203	161	0.68	0.15	2.56	0.08	227	0.71	0.32	2.52	0.08
Q6Q00ZC	1/0 AWG AL	140	9-#16	8.59	16.92	18.80	24.22	621	203	160	0.70	0.15	2.58	0.08	226	0.72	0.32	2.54	0.08
Q6R00ZC	2/0 AWG AL	140	11-#16	9.60	17.93	19.81	25.24	705	203	182	0.55	0.14	2.10	0.08	255	0.59	0.31	2.06	0.08
Q6S00ZC	3/0 AWG AL	140	14-#16	10.82	19.15	21.03	26.46	815	229	208	0.44	0.14	1.65	0.07	286	0.48	0.30	1.63	0.07
Q6T00ZC	4/0 AWG AL	140	17-#16	12.14	20.47	22.35	27.78	889	229	237	0.35	0.13	1.35	0.07	320	0.40	0.29	1.33	0.07
Q6U00ZC	250 MCM AL	140	21-#16	13.28	21.87	23.75	29.17	1086	254	260	0.30	0.13	1.11	0.06	344	0.35	0.27	1.09	0.06
Q6V00ZC	350 MCM AL	140	27-#16	15.72	24.31	26.19	31.61	1352	254	313	0.22	0.12	0.84	0.06	397	0.28	0.25	0.84	0.06
Q6W00ZC	500 MCM AL	140	25-#14	18.80	27.38	29.72	35.82	1852	305	379	0.16	0.12	0.58	0.06	448	0.23	0.22	0.58	0.06
Q6X00ZC	750 MCM AL	140	24-#12	23.11	31.95	34.29	41.24	2641	330	463	0.11	0.11	0.38	0.05	502	0.19	0.18	0.38	0.05
Q6Y00ZC	1000 MCM AL	140	31-#12	26.92	35.76	38.10	46.47	3381	381	523	0.09	0.11	0.30	0.05	541	0.17	0.15	0.29	0.05

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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.

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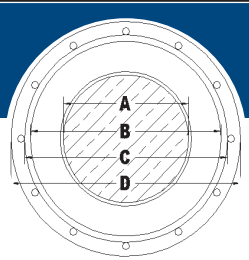

TRXLPE URD CSA

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																			
Q6301ZC	2 SOLID CU	140	16-#14	6.55	14.99	16.87	22.97	932	203	154	1.34	0.09	1.34	0.09	215	1.34	0.09	1.34	0.09
Q6401ZC	2 AWG CU	140	16-#14	6.81	15.14	17.02	23.12	940	203	153	1.35	0.09	1.35	0.09	215	1.35	0.09	1.35	0.09
Q6501ZC	1 SOLID CU	140	13-#12	7.34	15.77	17.65	24.60	1139	203	177	1.04	0.08	1.04	0.08	245	1.04	0.08	1.04	0.08
Q6601ZC	1 AWG CU	140	13-#12	7.59	15.93	17.81	24.75	1151	203	176	1.06	0.09	1.06	0.08	244	1.06	0.09	1.06	0.08
Q6701ZC	1/0 SOLID CU	140	16-#12	8.26	16.69	18.57	25.52	1347	229	200	0.84	0.08	0.84	0.08	277	0.84	0.08	0.84	0.08
Q6801ZC	1/0 AWG CU	140	16-#12	8.59	16.92	18.80	25.75	1360	229	200	0.85	0.08	0.85	0.08	277	0.85	0.08	0.85	0.08
Q6901ZC	2/0 AWG CU	140	20-#12	9.60	17.93	19.81	26.76	1624	229	228	0.68	0.08	0.68	0.07	315	0.68	0.08	0.68	0.07
Q6A01ZC	3/0 AWG CU	140	26-#12	10.82	19.15	21.03	27.98	1982	229	262	0.53	0.07	0.53	0.07	361	0.53	0.07	0.53	0.07
Q6B01ZC	4/0 AWG CU	140	32-#12	12.14	20.47	22.35	29.30	2384	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																			
Q6300ZC	2 SOLID CU	140	9-#16	6.55	14.99	16.87	22.29	727	203	158	0.66	0.15	2.54	0.09	227	0.69	0.34	2.49	0.09
Q6400ZC	2 AWG CU	140	9-#16	6.81	15.14	17.02	22.44	735	203	157	0.67	0.16	2.55	0.09	226	0.70	0.34	2.51	0.09
Q6500ZC	1 SOLID CU	140	11-#16	7.34	15.77	17.65	23.08	843	203	180	0.52	0.15	2.06	0.08	256	0.56	0.33	2.03	0.08
Q6600ZC	1 AWG CU	140	11-#16	7.59	15.93	17.81	23.23	854	203	179	0.53	0.15	2.08	0.08	254	0.57	0.33	2.04	0.08
Q6700ZC	1/0 SOLID CU	140	14-#16	8.26	16.69	18.57	23.99	998	203	205	0.41	0.14	1.63	0.08	286	0.46	0.31	1.60	0.08
Q6800ZC	1/0 AWG CU	140	14-#16	8.59	16.92	18.80	24.22	1010	203	204	0.42	0.14	1.64	0.08	285	0.47	0.31	1.61	0.08
Q6900ZC	2/0 AWG CU	140	17-#16	9.60	17.93	19.81	25.24	1192	203	232	0.34	0.14	1.34	0.07	317	0.39	0.30	1.32	0.07
Q6A00ZC	3/0 AWG CU	140	21-#16	10.82	19.15	21.03	26.46	1422	229	263	0.27	0.13	1.08	0.07	351	0.33	0.29	1.07	0.07
Q6B00ZC	4/0 AWG CU	140	27-#16	12.14	20.47	22.35	27.78	1718	229	299	0.22	0.13	0.84	0.06	383	0.29	0.27	0.84	0.06
Q6C00ZC	250 MCM CU	140	21-#14	13.28	21.87	23.75	29.85	2052	254	328	0.19	0.13	0.70	0.06	405	0.26	0.25	0.69	0.06
Q6D00ZC	350 MCM CU	140	28-#14	15.72	24.31	26.19	32.29	2698	279	391	0.14	0.12	0.52	0.06	452	0.22	0.22	0.51	0.06
Q6E00ZC	500 MCM CU	140	26-#12	18.77	27.36	29.69	36.64	3783	305	462	0.11	0.11	0.35	0.05	493	0.19	0.18	0.35	0.05
Q6F00XC	750 MCM CU	140	25-#10	24.59	33.43	35.76	45.21	5692	381	542	0.08	0.11	0.23	0.05	554	0.16	0.13	0.23	0.05
Q6G00XC	1000 MCM CU	140	32-#10	28.37	37.21	39.55	49.00	7292	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:

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

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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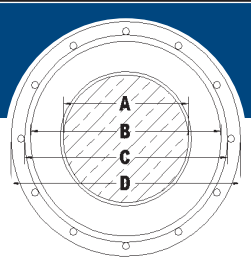

TRXLPE URD CSA

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																			
Q7L01ZC	2 SOLID AL	175	10-#14	6.55	16.76	18.64	24.74	680	203	123	2.17	0.10	2.17	0.10	169	2.17	0.10	2.17	0.10
Q7M01ZC	2 AWG AL	175	10-#14	6.81	16.92	18.80	24.90	687	203	124	2.20	0.10	2.20	0.10	170	2.20	0.10	2.20	0.10
Q7N01ZC	1 SOLID AL	175	13-#14	7.34	17.55	19.43	25.53	778	229	141	1.70	0.09	1.70	0.09	193	1.70	0.09	1.70	0.09
Q7O01ZC	1 AWG AL	175	13-#14	7.65	17.75	19.63	25.74	786	229	143	1.72	0.09	1.72	0.09	194	1.72	0.09	1.72	0.09
Q7P01ZC	1/0 SOLID AL	175	16-#14	8.26	18.47	20.35	26.45	885	229	160	1.36	0.09	1.36	0.09	219	1.36	0.09	1.36	0.09
Q7Q01ZC	1/0 AWG AL	175	16-#14	8.59	18.69	20.57	26.68	895	229	162	1.38	0.09	1.38	0.09	220	1.38	0.09	1.38	0.09
Q7R01ZC	2/0 AWG AL	175	13-#12	9.60	19.71	21.59	28.54	1078	229	186	1.08	0.08	1.08	0.08	251	1.08	0.08	1.08	0.08
Q7S01ZC	3/0 AWG AL	175	16-#12	10.82	20.93	22.81	29.76	1245	254	212	0.86	0.08	0.86	0.08	284	0.86	0.08	0.86	0.08
Q7T01ZC	4/0 AWG AL	175	20-#12	12.14	22.25	24.13	31.08	1406	254	241	0.69	0.07	0.69	0.07	323	0.69	0.07	0.69	0.07
Q7U01ZC	250 MCM AL	175	23-#12	13.28	23.65	25.53	32.48	1669	279	270	0.56	0.07	0.56	0.07	358	0.56	0.07	0.56	0.07
Q7V01ZC	350 MCM AL	175	33-#12	15.72	26.09	28.42	35.37	2204	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																			
Q7L00ZC	2 SOLID AL	175	8-#16	6.55	16.76	18.64	24.07	568	203	126	1.08	0.16	3.27	0.10	176	1.10	0.34	3.21	0.10
Q7M00ZC	2 AWG AL	175	8-#16	6.81	16.92	18.80	24.22	575	203	126	1.10	0.16	3.30	0.10	176	1.12	0.34	3.24	0.10
Q7N00ZC	1 SOLID AL	175	8-#16	7.34	17.55	19.43	24.86	612	203	143	0.86	0.16	3.05	0.09	200	0.88	0.33	2.99	0.09
Q7O00ZC	1 AWG AL	175	8-#16	7.65	17.75	19.63	25.06	620	203	143	0.87	0.15	3.07	0.09	200	0.90	0.32	3.02	0.09
Q7P00ZC	1/0 SOLID AL	175	9-#16	8.26	18.47	20.35	25.77	677	229	163	0.68	0.15	2.64	0.09	226	0.71	0.32	2.59	0.09
Q7Q00ZC	1/0 AWG AL	175	9-#16	8.59	18.69	20.57	26.00	686	229	163	0.70	0.15	2.65	0.08	226	0.72	0.32	2.61	0.08
Q7R00ZC	2/0 AWG AL	175	11-#16	9.60	19.71	21.59	27.02	772	229	186	0.55	0.15	2.16	0.08	255	0.58	0.31	2.12	0.08
Q7S00ZC	3/0 AWG AL	175	14-#16	10.82	20.93	22.81	28.23	885	229	212	0.44	0.14	1.70	0.08	288	0.47	0.29	1.67	0.08
Q7T00ZC	4/0 AWG AL	175	17-#16	12.14	22.25	24.13	29.56	963	254	241	0.35	0.13	1.39	0.07	322	0.39	0.28	1.37	0.07
Q7U00ZC	250 MCM AL	175	21-#16	13.28	23.65	25.53	30.95	1164	254	264	0.30	0.13	1.14	0.07	346	0.35	0.27	1.12	0.07
Q7V00ZC	350 MCM AL	175	27-#16	15.72	26.09	28.42	33.85	1466	279	319	0.21	0.12	0.87	0.06	401	0.27	0.25	0.86	0.06
Q7W00ZC	500 MCM AL	175	25-#14	18.80	29.16	31.50	37.60	1948	305	385	0.16	0.12	0.58	0.06	453	0.22	0.22	0.58	0.06
Q7X00ZC	750 MCM AL	175	24-#12	23.11	33.73	36.07	44.44	2831	356	469	0.11	0.11	0.39	0.05	508	0.19	0.18	0.39	0.05
Q7Y00ZC	1000 MCM AL	175	31-#12	26.92	37.54	39.88	48.25	3504	406	531	0.09	0.11	0.30	0.05	551	0.16	0.16	0.30	0.05

†Ampacities are based on the following:

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

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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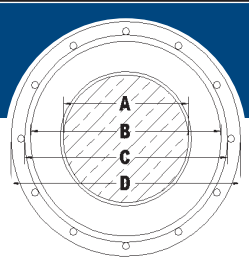

TRXLPE URD CSA

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% Copper Single Phase – Full Neutral																			
Q7301ZC	2 SOLID CU	175	16-#14	6.55	16.76	18.64	24.74	994	203	157	1.34	0.10	1.34	0.10	215	1.34	0.10	1.34	0.10
Q7401ZC	2 AWG CU	175	16-#14	6.81	16.92	18.80	24.90	1002	203	158	1.35	0.10	1.35	0.10	217	1.35	0.10	1.35	0.10
Q7501ZC	1 SOLID CU	175	13-#12	7.34	17.55	19.43	26.38	1206	229	181	1.04	0.10	1.04	0.10	245	1.04	0.10	1.04	0.10
Q7601ZC	1 AWG CU	175	13-#12	7.59	17.70	19.58	26.53	1218	229	182	1.06	0.09	1.06	0.09	246	1.06	0.09	1.06	0.09
Q7701ZC	1/0 SOLID CU	175	16-#12	8.26	18.47	20.35	27.29	1416	229	205	0.84	0.09	0.84	0.09	277	0.84	0.09	0.84	0.09
Q7801ZC	1/0 AWG CU	175	16-#12	8.59	18.69	20.57	27.52	1430	229	207	0.85	0.09	0.85	0.09	279	0.85	0.09	0.85	0.09
Q7901ZC	2/0 AWG CU	175	20-#12	9.60	19.71	21.59	28.54	1696	229	237	0.67	0.08	0.67	0.08	317	0.67	0.08	0.67	0.08
Q7A01ZC	3/0 AWG CU	175	26-#12	10.82	20.93	22.81	29.76	2057	254	270	0.53	0.08	0.53	0.08	359	0.53	0.08	0.53	0.08
Q7B01ZC	4/0 AWG CU	175	32-#12	12.14	22.25	24.13	31.08	2463	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																			
Q7300ZC	2 SOLID CU	175	9-#16	6.55	16.76	18.64	24.07	787	203	162	0.66	0.17	2.44	0.10	223	0.69	0.34	2.39	0.10
Q7400ZC	2 AWG CU	175	9-#16	6.81	16.92	18.80	24.22	795	203	162	0.67	0.17	2.45	0.10	224	0.70	0.34	2.41	0.10
Q7500ZC	1 SOLID CU	175	11-#16	7.34	17.55	19.43	24.86	905	203	184	0.52	0.16	2.05	0.09	252	0.56	0.33	2.01	0.09
Q7600ZC	1 AWG CU	175	11-#16	7.59	17.70	19.58	25.01	917	203	184	0.53	0.16	2.06	0.09	252	0.57	0.32	2.03	0.09
Q7700ZC	1/0 SOLID CU	175	14-#16	8.26	18.47	20.35	25.77	1062	229	209	0.41	0.15	1.60	0.09	283	0.46	0.32	1.58	0.09
Q7800ZC	1/0 AWG CU	175	14-#16	8.59	18.69	20.57	26.00	1075	229	210	0.42	0.15	1.61	0.09	284	0.46	0.31	1.59	0.09
Q7900ZC	2/0 AWG CU	175	17-#16	9.60	19.71	21.59	27.02	1259	229	238	0.34	0.15	1.31	0.08	317	0.39	0.30	1.29	0.08
Q7A00ZC	3/0 AWG CU	175	21-#16	10.82	20.93	22.81	28.23	1493	229	271	0.27	0.14	1.04	0.08	351	0.33	0.28	1.02	0.08
Q7B00ZC	4/0 AWG CU	175	27-#16	12.14	22.25	24.13	29.56	1793	254	307	0.22	0.13	0.81	0.07	385	0.28	0.26	0.80	0.07
Q7C00ZC	250 MCM CU	175	21-#14	13.28	23.65	25.53	31.63	2132	254	336	0.19	0.13	0.70	0.07	409	0.26	0.25	0.69	0.07
Q7D00ZC	350 MCM CU	175	28-#14	15.72	26.09	28.42	34.52	2814	279	400	0.14	0.13	0.50	0.06	457	0.22	0.22	0.50	0.06
Q7E00ZC	500 MCM CU	175	26-#12	18.77	29.13	31.47	38.42	3881	330	471	0.11	0.12	0.34	0.06	501	0.19	0.18	0.34	0.06
Q7F00XC	750 MCM CU	175	25-#10	24.59	35.20	37.54	46.99	5811	381	550	0.08	0.11	0.24	0.05	557	0.15	0.14	0.24	0.05
Q7G00XC	1000 MCM CU	175	32-#10	28.37	38.99	42.19	51.64	7494	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:

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.

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

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.

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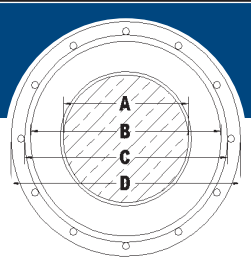

TRXLPE URD CSA

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																			
Q8L01ZC	2 SOLID AL	220	10-#14	6.55	19.10	20.98	27.08	769	229	123	2.17	0.10	2.17	0.10	169	2.17	0.10	2.17	0.10
Q8M01ZC	2 AWG AL	220	10-#14	6.81	19.25	21.13	27.23	776	229	124	2.20	0.10	2.20	0.10	170	2.20	0.10	2.20	0.10
Q8N01ZC	1 SOLID AL	220	13-#14	7.34	19.89	21.77	27.87	869	229	141	1.70	0.09	1.70	0.09	193	1.70	0.09	1.70	0.09
Q8O01ZC	1 AWG AL	220	13-#14	7.65	20.09	21.97	28.07	878	229	143	1.72	0.09	1.72	0.09	194	1.72	0.09	1.72	0.09
Q8P01ZC	1/0 SOLID AL	220	16-#14	8.26	20.80	22.68	28.78	9779	254	160	1.36	0.09	1.36	0.09	219	1.36	0.09	1.36	0.09
Q8Q01ZC	1/0 AWG AL	220	16-#14	8.59	21.03	22.91	29.01	990	254	162	1.38	0.09	1.38	0.09	220	1.38	0.09	1.38	0.09
Q8R01ZC	2/0 AWG AL	220	13-#12	9.60	22.05	23.93	30.88	1179	254	186	1.08	0.08	1.08	0.08	251	1.08	0.08	1.08	0.08
Q8S01ZC	3/0 AWG AL	220	16-#12	10.82	23.27	25.15	32.10	1351	279	212	0.86	0.08	0.86	0.08	284	0.86	0.08	0.86	0.08
Q8T01ZC	4/0 AWG AL	220	20-#12	12.14	24.59	26.47	33.42	1516	279	241	0.69	0.07	0.69	0.07	323	0.69	0.07	0.69	0.07
Q8U01ZC	250 MCM AL	220	23-#12	13.28	25.98	27.86	34.81	1784	279	270	0.56	0.07	0.56	0.07	358	0.56	0.07	0.56	0.07
Q8V01ZC	350 MCM AL	220	33-#12	15.72	28.42	30.76	37.71	2330	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																			
Q8L00ZC	2 SOLID AL	220	9-#16	6.55	19.10	20.98	26.41	665	229	127	1.08	0.17	3.02	0.11	174	1.11	0.34	2.96	0.11
Q8M00ZC	2 AWG AL	220	9-#16	6.81	19.25	21.13	26.56	672	229	127	1.10	0.17	3.04	0.11	174	1.13	0.34	2.99	0.11
Q8N00ZC	1 SOLID AL	220	9-#16	7.34	19.89	21.77	27.19	712	229	144	0.86	0.17	2.80	0.10	198	0.88	0.33	2.75	0.10
Q8O00ZC	1 AWG AL	220	9-#16	7.65	20.09	21.97	27.40	720	229	145	0.87	0.16	2.82	0.10	198	0.90	0.32	2.77	0.10
Q8P00ZC	1/0 SOLID AL	220	9-#16	8.26	20.80	22.68	28.11	768	229	164	0.68	0.16	2.63	0.10	224	0.70	0.32	2.58	0.10
Q8Q00ZC	1/0 AWG AL	220	10-#16	8.59	21.03	22.91	28.34	789	229	165	0.70	0.16	2.45	0.09	224	0.72	0.31	2.41	0.09
Q8R00ZC	2/0 AWG AL	220	11-#16	9.60	22.05	23.93	29.35	868	254	187	0.55	0.15	2.15	0.09	254	0.58	0.31	2.11	0.09
Q8S00ZC	3/0 AWG AL	220	14-#16	10.82	23.27	25.15	30.57	985	254	214	0.44	0.14	1.69	0.08	286	0.47	0.29	1.67	0.08
Q8T00ZC	4/0 AWG AL	220	17-#16	12.14	24.59	26.47	31.89	1068	279	243	0.35	0.14	1.39	0.08	320	0.39	0.28	1.37	0.08
Q8U00ZC	250 MCM AL	220	21-#16	13.28	25.98	27.86	33.29	1273	279	266	0.30	0.13	1.13	0.07	345	0.34	0.27	1.12	0.07
Q8V00ZC	350 MCM AL	220	27-#16	15.72	28.42	30.76	36.18	1586	305	321	0.21	0.13	0.87	0.07	401	0.27	0.25	0.86	0.07
Q8W00ZC	500 MCM AL	220	25-#14	18.80	31.50	33.83	39.93	2080	330	387	0.16	0.12	0.58	0.06	454	0.22	0.22	0.58	0.06
Q8X00ZC	750 MCM AL	220	24-#12	23.11	36.07	38.40	46.78	2986	381	471	0.11	0.12	0.39	0.06	511	0.18	0.19	0.39	0.06
Q8Y00ZC	1000 MCM AL	220	31-#12	26.92	39.88	43.08	51.45	3744	432	534	0.09	0.11	0.30	0.05	554	0.16	0.16	0.30	0.05

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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.

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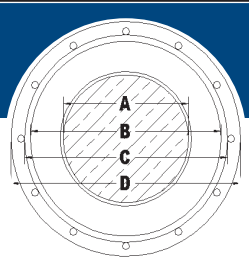

TRXLPE URD CSA

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																			
Q8301ZC	2 SOLID CU	220	16-#14	6.55	19.10	20.98	27.08	1082	229	157	1.34	0.10	1.34	0.10	215	1.34	0.10	1.34	0.10
Q8401ZC	2 AWG CU	220	16-#14	6.81	19.25	21.13	27.23	1091	229	158	1.35	0.10	1.35	0.10	217	1.35	0.10	1.35	0.10
Q8501ZC	1 SOLID CU	220	13-#12	7.34	19.89	21.77	28.72	1300	254	181	1.04	0.10	1.04	0.10	245	1.04	0.10	1.04	0.10
Q8601ZC	1 AWG CU	220	13-#12	7.59	20.04	21.92	28.87	1312	254	182	1.06	0.09	1.06	0.09	246	1.06	0.09	1.06	0.09
Q8701ZC	1/0 SOLID CU	220	16-#12	8.26	20.80	22.68	29.63	1513	254	205	0.84	0.09	0.84	0.09	277	0.84	0.09	0.84	0.09
Q8801ZC	1/0 AWG CU	220	16-#12	8.59	21.03	22.91	29.86	1528	254	207	0.85	0.09	0.85	0.09	279	0.85	0.09	0.85	0.09
Q8901ZC	2/0 AWG CU	220	20-#12	9.60	22.05	23.93	30.88	1797	254	237	0.67	0.08	0.67	0.08	317	0.67	0.08	0.67	0.08
Q8A01ZC	3/0 AWG CU	220	26-#12	10.82	23.27	25.15	32.10	2163	279	270	0.53	0.08	0.53	0.08	359	0.53	0.08	0.53	0.08
Q8B01ZC	4/0 AWG CU	220	32-#12	12.14	24.59	26.47	33.42	2573	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																			
Q8300ZC	2 SOLID CU	220	9-#16	6.55	19.10	20.98	26.41	873	229	162	0.66	0.17	2.44	0.10	223	0.69	0.34	2.39	0.10
Q8400ZC	2 AWG CU	220	9-#16	6.81	19.25	21.13	26.56	882	229	162	0.67	0.17	2.45	0.10	224	0.70	0.34	2.41	0.10
Q8500ZC	1 SOLID CU	220	11-#16	7.34	19.89	21.77	27.19	994	229	184	0.52	0.16	2.05	0.09	252	0.56	0.33	2.01	0.09
Q8600ZC	1 AWG CU	220	11-#16	7.59	20.04	21.92	27.35	1006	229	184	0.53	0.16	2.06	0.09	252	0.57	0.32	2.03	0.09
Q8700ZC	1/0 SOLID CU	220	14-#16	8.26	20.80	22.68	28.11	1154	229	209	0.41	0.15	1.60	0.09	283	0.46	0.32	1.58	0.09
Q8800ZC	1/0 AWG CU	220	14-#16	8.59	21.03	22.91	28.34	1167	229	210	0.42	0.15	1.61	0.09	284	0.46	0.31	1.59	0.09
Q8900ZC	2/0 AWG CU	220	17-#16	9.60	22.05	23.93	29.35	1355	254	238	0.34	0.15	1.31	0.08	317	0.39	0.30	1.29	0.08
Q8A00ZC	3/0 AWG CU	220	21-#16	10.82	23.27	25.15	30.57	1593	254	271	0.27	0.14	1.04	0.08	351	0.33	0.28	1.02	0.08
Q8B00ZC	4/0 AWG CU	220	27-#16	12.14	24.59	26.47	31.89	1897	279	307	0.22	0.13	0.81	0.07	385	0.28	0.26	0.80	0.07
Q8C00ZC	250 MCM CU	220	21-#14	13.28	25.98	27.86	33.96	2244	279	336	0.19	0.13	0.70	0.07	409	0.26	0.25	0.69	0.07
Q8D00ZC	350 MCM CU	220	28-#14	15.72	28.42	30.76	36.86	2936	305	400	0.14	0.13	0.50	0.06	457	0.22	0.22	0.50	0.06
Q8E00ZC	500 MCM CU	220	26-#12	18.77	31.47	33.81	40.76	4017	330	471	0.11	0.12	0.34	0.06	501	0.19	0.18	0.34	0.06
Q8F00XC	750 MCM CU	220	25-#10	24.59	37.54	39.88	49.33	5975	406	550	0.08	0.11	0.24	0.05	557	0.15	0.14	0.24	0.05
Q8G00XC	1000 MCM CU	220	32-#10	28.37	41.33	44.53	53.98	7674	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:

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.

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

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.

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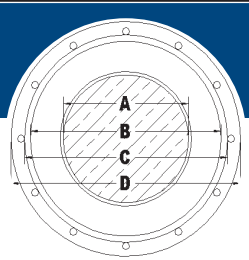

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- 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																			
Q9N01ZC	1 SOLID AL	260	13-#14	7.34	21.97	23.85	29.95	957	254	145	1.70	0.11	1.70	0.11	192	1.70	0.11	1.70	0.11
Q9O01ZC	1 AWG AL	260	13-#14	7.65	22.17	24.05	30.15	966	254	146	1.72	0.10	1.72	0.11	194	1.72	0.10	1.72	0.11
Q9P01ZC	1/0 SOLID AL	260	16-#14	8.26	22.89	24.77	30.87	1070	254	165	1.36	0.10	1.36	0.10	218	1.36	0.10	1.36	0.10
Q9Q01ZC	1/0 AWG AL	260	16-#14	8.59	23.11	24.99	31.09	1081	254	166	1.38	0.10	1.38	0.10	219	1.38	0.10	1.38	0.10
Q9R01ZC	2/0 AWG AL	260	13-#12	9.60	24.13	26.01	32.96	1276	279	190	1.08	0.09	1.08	0.10	250	1.08	0.09	1.08	0.10
Q9S01ZC	3/0 AWG AL	260	16-#12	10.82	25.35	27.23	34.18	1451	279	217	0.86	0.09	0.86	0.09	283	0.86	0.09	0.86	0.09
Q9T01ZC	4/0 AWG AL	260	20-#12	12.14	26.67	29.01	35.96	1652	305	247	0.69	0.09	0.69	0.09	322	0.69	0.09	0.69	0.09
Q9U01ZC	250 MCM AL	260	23-#12	13.28	28.07	30.40	37.35	1926	305	276	0.56	0.08	0.56	0.08	356	0.56	0.08	0.56	0.08
Q9V01ZC	350 MCM AL	260	33-#12	15.72	30.51	32.84	39.79	2448	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																			
Q9N00ZC	1 SOLID AL	260	10-#16	7.34	21.97	23.85	29.28	808	254	146	0.86	0.17	2.60	0.11	196	0.88	0.33	2.53	0.11
Q9O00ZC	1 AWG AL	260	10-#16	7.65	22.17	24.05	29.48	818	254	146	0.87	0.17	2.62	0.10	197	0.90	0.32	2.57	0.10
Q9P00ZC	1/0 SOLID AL	260	10-#16	8.26	22.89	24.77	30.19	867	254	166	0.68	0.16	2.43	0.10	223	0.71	0.32	2.38	0.10
Q9Q00ZC	1/0 AWG AL	260	10-#16	8.59	23.11	24.99	30.42	878	254	166	0.70	0.16	2.45	0.10	223	0.72	0.31	2.40	0.10
Q9R00ZC	2/0 AWG AL	260	11-#16	9.60	24.13	26.01	31.44	960	254	189	0.55	0.16	2.15	0.09	252	0.58	0.31	2.11	0.09
Q9S00ZC	3/0 AWG AL	260	14-#16	10.82	25.35	27.23	32.65	1081	279	215	0.44	0.15	1.69	0.09	284	0.47	0.29	1.66	0.09
Q9T00ZC	4/0 AWG AL	260	17-#16	12.14	26.67	29.01	34.43	1198	279	244	0.35	0.15	1.38	0.08	318	0.39	0.28	1.36	0.08
Q9U00ZC	250 MCM AL	260	21-#16	13.28	28.07	30.40	35.83	1408	305	268	0.30	0.14	1.13	0.08	344	0.34	0.27	1.12	0.08
Q9V00ZC	350 MCM AL	260	27-#16	15.72	30.51	32.84	38.27	1699	330	322	0.21	0.13	0.86	0.07	400	0.27	0.25	0.85	0.07
Q9W00ZC	500 MCM AL	260	25-#14	18.80	33.58	35.92	43.44	2283	356	389	0.16	0.13	0.58	0.07	453	0.22	0.23	0.58	0.07
Q9X00ZC	750 MCM AL	260	24-#12	23.11	38.15	40.49	48.86	3131	406	473	0.11	0.12	0.39	0.06	514	0.18	0.19	0.39	0.06
Q9Y00ZC	1000 MCM AL	260	31-#12	26.92	41.96	45.16	53.53	3903	432	535	0.09	0.12	0.30	0.06	557	0.16	0.16	0.30	0.06

†Ampacities are based on the following:

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

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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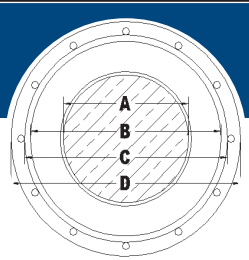

TRXLPE URD CSA

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)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
25kV 100% Copper Single Phase – Full Neutral																			
Q9501ZC	1 SOLID CU	260	13-#12	7.34	21.97	23.85	30.80	1390	254	186	1.04	0.11	1.04	0.11	245	1.04	0.11	1.04	0.11
Q9601ZC	1 AWG CU	260	13-#12	7.59	22.12	24.00	30.95	1403	254	187	1.06	0.11	1.06	0.11	246	1.06	0.11	1.06	0.11
Q9701ZC	1/0 SOLID CU	260	16-#12	8.26	22.89	24.77	31.71	1607	254	210	0.84	0.10	0.84	0.10	277	0.84	0.10	0.84	0.10
Q9801ZC	1/0 AWG CU	260	16-#12	8.59	23.11	24.99	31.94	1621	279	212	0.85	0.10	0.85	0.10	279	0.85	0.10	0.85	0.10
Q9901ZC	2/0 AWG CU	260	20-#12	9.60	24.13	26.01	32.96	1895	279	243	0.67	0.10	0.67	0.10	317	0.67	0.10	0.67	0.10
Q9A01ZC	3/0 AWG CU	260	26-#12	10.82	25.35	27.23	34.18	2264	279	276	0.53	0.09	0.53	0.09	359	0.53	0.09	0.53	0.09
Q9B01ZC	4/0 AWG CU	260	32-#12	12.14	26.67	29.01	35.96	2710	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																			
Q9500ZC	1 SOLID CU	260	11-#16	7.34	21.97	23.85	29.28	1079	254	187	0.52	0.17	2.04	0.11	249	0.55	0.33	2.00	0.11
Q9600ZC	1 AWG CU	260	11-#16	7.59	22.12	24.00	29.43	1092	254	187	0.53	0.17	2.05	0.11	249	0.56	0.32	2.01	0.11
Q9700ZC	1/0 SOLID CU	260	14-#16	8.26	22.89	24.77	30.19	1242	254	213	0.41	0.17	1.60	0.10	280	0.45	0.32	1.57	0.10
Q9800ZC	1/0 AWG CU	260	14-#16	8.59	23.11	24.99	30.42	1256	254	213	0.42	0.16	1.61	0.10	281	0.46	0.31	1.58	0.10
Q9900ZC	2/0 AWG CU	260	17-#16	9.60	24.13	26.01	31.44	1447	254	242	0.34	0.16	1.31	0.09	314	0.38	0.30	1.29	0.09
Q9A00ZC	3/0 AWG CU	260	21-#16	10.82	25.35	27.23	32.65	1689	279	275	0.27	0.15	1.03	0.09	349	0.32	0.28	1.02	0.09
Q9B00ZC	4/0 AWG CU	260	27-#16	12.14	26.67	29.01	34.43	2027	279	311	0.22	0.15	0.81	0.08	384	0.28	0.27	0.80	0.08
Q9C00ZC	250 MCM CU	260	21-#14	13.28	28.07	30.40	36.50	2382	305	341	0.19	0.14	0.69	0.08	410	0.25	0.26	0.69	0.08
Q9D00ZC	350 MCM CU	260	28-#14	15.72	30.51	32.84	38.94	3052	330	405	0.14	0.13	0.50	0.07	460	0.21	0.23	0.50	0.07
Q9E00ZC	500 MCM CU	260	26-#12	18.77	33.55	35.89	44.26	4224	356	475	0.11	0.13	0.34	0.07	504	0.18	0.19	0.34	0.07
Q9F00XC	750 MCM CU	260	25-#10	24.59	39.62	42.82	52.27	6201	432	557	0.08	0.12	0.24	0.06	566	0.15	0.15	0.24	0.06
Q9G00XC	1000 MCM CU	260	32-#10	28.37	43.41	46.61	56.06	7842	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:

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

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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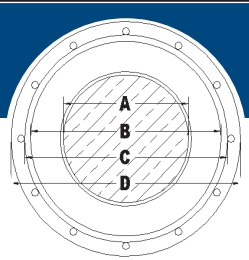

TRXLPE URD CSA

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																			
QAN01ZC	1 SOLID AL	320	13-#14	7.34	25.12	27.00	33.10	1110	279	145	1.70	0.11	1.70	0.11	192	1.70	0.11	1.70	0.11
QAO01ZC	1 AWG AL	320	13-#14	7.65	25.32	27.20	33.30	1112	279	146	1.72	0.10	1.72	0.11	194	1.72	0.10	1.72	0.11
QAP01ZC	1/0 SOLID AL	320	16-#14	8.26	26.04	27.91	34.02	1218	279	165	1.36	0.10	1.36	0.10	218	1.36	0.10	1.36	0.10
QAQ01ZC	1/0 AWG AL	320	16-#14	8.59	26.26	28.60	34.70	1261	279	166	1.38	0.10	1.38	0.10	219	1.38	0.10	1.38	0.10
QAR01ZC	2/0 AWG AL	320	13-#12	9.60	27.28	29.62	36.57	1467	305	190	1.08	0.09	1.08	0.10	250	1.08	0.09	1.08	0.10
QAS01ZC	3/0 AWG AL	320	16-#12	10.82	28.50	30.84	37.79	1648	305	217	0.86	0.09	0.86	0.09	283	0.86	0.09	0.86	0.09
QAT01ZC	4/0 AWG AL	320	20-#12	12.14	29.82	32.16	39.11	1825	330	247	0.69	0.09	0.69	0.09	322	0.69	0.09	0.69	0.09
QAU01ZC	250 MCM AL	320	23-#12	13.28	31.22	33.55	40.50	2105	330	276	0.56	0.08	0.56	0.08	356	0.56	0.08	0.56	0.08
QAV01ZC	350 MCM AL	320	33-#12	15.72	33.66	35.99	44.36	2719	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																			
QAN00ZC	1 SOLID AL	320	11-#16	7.34	25.12	27.00	32.43	960	279	147	0.86	0.18	2.44	0.12	194	0.88	0.33	2.39	0.12
QAO00ZC	1 AWG AL	320	11-#16	7.65	25.32	27.20	32.63	971	279	147	0.87	0.17	2.45	0.11	195	0.90	0.32	2.41	0.11
QAP00ZC	1/0 SOLID AL	320	11-#16	8.26	26.04	27.91	33.34	1024	279	167	0.68	0.17	2.26	0.11	220	0.71	0.32	2.22	0.11
QAQ00ZC	1/0 AWG AL	320	12-#16	8.59	26.26	28.60	34.03	1077	279	168	0.70	0.17	2.15	0.11	220	0.70	0.31	2.11	0.11
QAR00ZC	2/0 AWG AL	320	12-#16	9.60	27.28	29.62	35.04	1153	305	191	0.55	0.16	2.30	0.10	250	0.57	0.31	2.25	0.10
QAS00ZC	3/0 AWG AL	320	14-#16	10.82	28.50	30.84	36.26	1270	305	217	0.44	0.16	1.68	0.10	282	0.47	0.30	1.65	0.10
QAT00ZC	4/0 AWG AL	320	17-#16	12.14	29.82	32.16	37.58	1363	305	246	0.35	0.15	1.38	0.09	316	0.38	0.28	1.36	0.09
QAU00ZC	250 MCM AL	320	21-#16	13.28	31.22	33.55	38.98	1580	330	270	0.30	0.15	1.13	0.09	342	0.34	0.27	1.11	0.09
QAV00ZC	350 MCM AL	320	27-#16	15.72	33.66	35.99	41.42	1882	356	324	0.21	0.14	0.86	0.08	399	0.26	0.26	0.85	0.08
QAW00ZC	500 MCM AL	320	25-#14	18.80	36.73	39.07	46.59	2489	381	391	0.16	0.13	0.58	0.07	453	0.22	0.23	0.57	0.07
QAX00ZC	750 MCM AL	320	24-#12	23.11	41.30	44.50	52.87	3436	432	476	0.11	0.13	0.39	0.07	517	0.18	0.19	0.39	0.07
QAY00ZC	1000 MCM AL	320	31-#12	26.92	45.11	48.31	56.68	4156	457	538	0.09	0.12	0.30	0.06	561	0.16	0.17	0.30	0.06

†Ampacities are based on the following:

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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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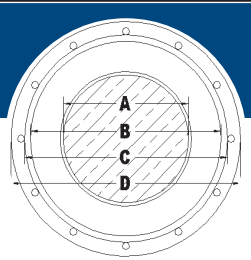

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- 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 133% Copper Single Phase – Full Neutral																			
QA501ZC	1 SOLID CU	320	13-#12	7.34	25.12	27.00	33.95	1539	279	186	1.04	0.11	1.04	0.11	245	1.04	0.11	1.04	0.11
QA601ZC	1 AWG CU	320	13-#12	7.59	25.27	27.15	34.10	1552	279	187	1.06	0.11	1.06	0.11	246	1.06	0.11	1.06	0.11
QA701ZC	1/0 SOLID CU	320	16-#12	8.26	26.04	27.91	34.86	1760	279	210	0.84	0.10	0.84	0.10	277	0.84	0.10	0.84	0.10
QA801ZC	1/0 AWG CU	320	16-#12	8.59	26.26	28.60	35.55	1806	305	212	0.85	0.10	0.85	0.10	279	0.85	0.10	0.85	0.10
QA901ZC	2/0 AWG CU	320	20-#12	9.60	27.28	29.62	36.57	2085	305	243	0.67	0.10	0.67	0.10	317	0.67	0.10	0.67	0.10
QAA01ZC	3/0 AWG CU	320	26-#12	10.82	28.50	30.84	37.79	2461	305	276	0.53	0.09	0.53	0.09	359	0.53	0.09	0.53	0.09
QAB01ZC	4/0 AWG CU	320	32-#12	12.14	29.82	32.16	39.11	2883	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																			
QA500ZC	1 SOLID CU	320	11-#16	7.34	25.12	27.00	32.43	1220	279	187	0.52	0.17	2.04	0.11	249	0.55	0.33	2.00	0.11
QA600ZC	1 AWG CU	320	11-#16	7.59	25.27	27.15	32.58	1234	279	187	0.53	0.17	2.05	0.11	249	0.56	0.32	2.01	0.11
QA700ZC	1/0 SOLID CU	320	14-#16	8.26	26.04	27.91	33.34	1388	279	213	0.41	0.17	1.60	0.10	280	0.45	0.32	1.57	0.10
QA800ZC	1/0 AWG CU	320	14-#16	8.59	26.26	28.60	34.03	1433	279	213	0.42	0.16	1.61	0.10	281	0.46	0.31	1.58	0.10
QA900ZC	2/0 AWG CU	320	17-#16	9.60	27.28	29.62	35.04	1628	305	242	0.34	0.16	1.31	0.09	314	0.38	0.30	1.29	0.09
QAA00ZC	3/0 AWG CU	320	21-#16	10.82	28.50	30.84	36.26	1877	305	275	0.27	0.15	1.03	0.09	349	0.32	0.28	1.02	0.09
QAB00ZC	4/0 AWG CU	320	27-#16	12.14	29.82	32.16	37.58	2193	305	311	0.22	0.15	0.81	0.08	384	0.28	0.27	0.80	0.08
QAC00ZC	250 MCM CU	320	21-#14	13.28	31.22	33.55	39.65	2557	330	341	0.19	0.14	0.69	0.08	410	0.25	0.26	0.69	0.08
QAD00ZC	350 MCM CU	320	28-#14	15.72	33.66	35.99	43.52	3317	356	405	0.14	0.13	0.50	0.07	460	0.21	0.23	0.50	0.07
QAE00ZC	500 MCM CU	320	26-#12	18.77	36.70	39.04	47.41	4434	381	475	0.11	0.13	0.34	0.07	504	0.18	0.19	0.34	0.07
QAF00XC	750 MCM CU	320	25-#10	24.59	42.77	45.97	55.42	6449	457	557	0.08	0.12	0.24	0.06	566	0.15	0.15	0.24	0.06
QAG00XC	1000 MCM CU	320	32-#10	28.37	46.56	49.76	59.21	8107	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:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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.

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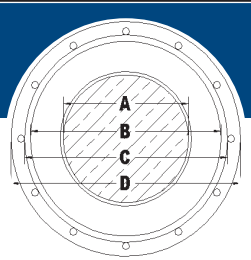

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
28kV 100% Aluminum Single Phase – Full Neutral																			
QVN01ZC	1 SOLID AL	280	13-#14	7.34	23.04	24.92	31.02	1004	254	146	1.70	0.11	1.70	0.11	192	1.70	0.11	1.70	0.11
QVO01ZC	1 AWG AL	280	13-#14	7.65	23.24	25.12	31.22	1014	254	146	1.72	0.11	1.72	0.11	192	1.72	0.11	1.72	0.11
QVP01ZC	1/0 SOLID AL	280	16-#14	8.26	23.95	25.83	31.93	1118	279	165	1.36	0.10	1.36	0.11	218	1.36	0.10	1.36	0.11
QVQ01ZC	1/0 AWG AL	280	16-#14	8.59	24.18	26.06	32.16	1130	279	165	1.38	0.10	1.38	0.11	217	1.38	0.10	1.38	0.11
QVR01ZC	2/0 AWG AL	280	13-#12	9.60	25.20	27.08	34.03	1328	279	189	1.08	0.10	1.08	0.10	247	1.08	0.10	1.08	0.10
QVS01ZC	3/0 AWG AL	280	16-#12	10.82	26.42	28.75	35.70	1526	305	216	0.86	0.10	0.86	0.10	281	0.86	0.10	0.86	0.10
QVT01ZC	4/0 AWG AL	280	20-#12	12.14	27.74	30.07	37.02	1709	305	245	0.69	0.09	0.69	0.09	319	0.69	0.09	0.69	0.09
QVU01ZC	250 MCM AL	280	23-#12	13.28	29.13	31.47	38.42	1985	330	268	0.59	0.09	0.59	0.09	348	0.59	0.09	0.59	0.09
QVV01ZC	350 MCM AL	280	33-#12	15.72	31.57	33.91	40.86	2511	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																			
QVN00ZC	1 SOLID AL	280	10-#16	7.34	23.04	24.92	30.34	854	254	146	0.86	0.17	2.53	0.11	195	0.88	0.33	2.48	0.11
QVO00ZC	1 AWG AL	280	10-#16	7.65	23.24	25.12	30.55	864	254	145	0.87	0.17	2.55	0.11	194	0.90	0.33	2.50	0.11
QVP00ZC	1/0 SOLID AL	280	11-#16	8.26	23.95	25.83	31.26	926	254	166	0.68	0.17	2.20	0.11	221	0.71	0.32	2.16	0.11
QVQ00ZC	1/0 AWG AL	280	11-#16	8.59	24.18	26.06	31.49	937	254	165	0.70	0.17	2.22	0.11	220	0.73	0.32	2.18	0.11
QVR00ZC	2/0 AWG AL	280	11-#16	9.60	25.20	27.08	32.50	1010	279	188	0.55	0.16	2.08	0.10	249	0.58	0.31	2.04	0.10
QVS00ZC	3/0 AWG AL	280	14-#16	10.82	26.42	28.75	34.18	1163	279	214	0.44	0.16	1.64	0.10	281	0.47	0.30	1.61	0.10
QVT00ZC	4/0 AWG AL	280	17-#16	12.14	27.74	30.07	35.50	1252	305	243	0.35	0.15	1.34	0.09	314	0.39	0.29	1.32	0.09
QVU00ZC	250 MCM AL	280	21-#16	13.28	29.13	31.47	36.90	1465	305	266	0.30	0.15	1.10	0.09	340	0.34	0.28	1.08	0.09
QVV00ZC	350 MCM AL	280	27-#16	15.72	31.57	33.91	39.33	1759	330	320	0.21	0.14	0.84	0.08	395	0.27	0.26	0.83	0.08
QVW00ZC	500 MCM AL	280	25-#14	18.80	34.65	36.98	44.51	2351	381	386	0.16	0.13	0.58	0.07	449	0.22	0.23	0.57	0.07
QVX00ZC	750 MCM AL	280	24-#12	23.11	39.22	42.42	50.79	3279	406	470	0.11	0.13	0.38	0.07	509	0.18	0.19	0.38	0.07
QVY00ZC	1000 MCM AL	280	31-#12	26.92	43.03	46.23	54.60	3987	457	531	0.09	0.12	0.29	0.06	552	0.16	0.17	0.29	0.06

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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.

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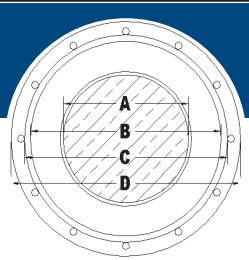

TRXLPE URD CSA

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																			
QV501ZC	1 SOLID CU	280	13-#12	7.34	23.04	24.92	31.87	1439	279	187	1.04	0.11	1.04	0.11	244	1.04	0.11	1.04	0.11
QV601ZC	1 AWG CU	280	13-#12	7.59	23.19	25.07	32.02	1452	279	186	1.06	0.11	1.06	0.11	244	1.06	0.11	1.06	0.11
QV701ZC	1/0 SOLID CU	280	16-#12	8.26	23.95	25.83	32.78	1657	279	211	0.84	0.11	0.84	0.11	277	0.84	0.11	0.84	0.11
QV801ZC	1/0 AWG CU	280	16-#12	8.59	24.18	26.06	33.01	1672	279	211	0.85	0.11	0.85	0.11	276	0.85	0.11	0.85	0.11
QV901ZC	2/0 AWG CU	280	20-#12	9.60	25.20	27.08	34.03	1947	279	240	0.68	0.10	0.68	0.10	314	0.68	0.10	0.68	0.10
QVA01ZC	3/0 AWG CU	280	26-#12	10.82	26.42	28.75	35.70	2349	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	2767	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																			
QV500ZC	1 SOLID CU	280	11-#16	7.34	23.04	24.92	30.34	1125	254	188	0.52	0.17	2.04	0.11	249	0.55	0.33	2.00	0.11
QV600ZC	1 AWG CU	280	11-#16	7.59	23.19	25.07	30.50	1138	254	186	0.53	0.17	2.06	0.11	247	0.56	0.33	2.01	0.11
QV700ZC	1/0 SOLID CU	280	14-#16	8.26	23.95	25.83	31.26	1290	254	213	0.41	0.17	1.61	0.11	280	0.45	0.32	1.58	0.11
QV800ZC	1/0 AWG CU	280	14-#16	8.59	24.18	26.06	31.49	1304	254	212	0.42	0.17	1.62	0.11	278	0.46	0.32	1.59	0.11
QV900ZC	2/0 AWG CU	280	17-#16	9.60	25.20	27.08	32.50	1497	279	240	0.34	0.16	1.32	0.10	312	0.38	0.30	1.30	0.10
QVA00ZC	3/0 AWG CU	280	21-#16	10.82	26.42	28.75	34.18	1770	279	273	0.27	0.16	1.07	0.10	347	0.32	0.29	1.05	0.10
QVB00ZC	4/0 AWG CU	280	27-#16	12.14	27.74	30.07	35.50	2082	305	309	0.22	0.15	0.84	0.09	382	0.27	0.28	0.83	0.09
QVC00ZC	250 MCM CU	280	21-#14	13.28	29.13	31.47	37.57	2440	305	338	0.19	0.15	0.69	0.09	407	0.25	0.26	0.68	0.09
QVD00ZC	350 MCM CU	280	28-#14	15.72	31.57	33.91	40.01	3113	330	402	0.14	0.14	0.51	0.08	458	0.21	0.23	0.51	0.08
QVE00ZC	500 MCM CU	280	26-#12	18.77	34.62	36.96	45.33	4294	381	473	0.11	0.13	0.35	0.07	502	0.18	0.19	0.35	0.07
QVF00XC	750 MCM CU	280	25-#10	24.59	40.69	43.89	53.34	6284	432	557	0.08	0.12	0.23	0.07	568	0.15	0.15	0.23	0.07
QVG00XC	1000 MCM CU	280	32-#10	28.37	44.48	47.68	57.12	7930	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:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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.

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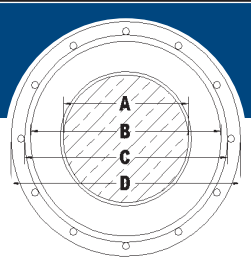

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- 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% Aluminum Single Phase – Full Neutral																			
QBP01ZC	1/0 SOLID AL	345	16-#14	8.26	27.41	29.74	35.84	1319	305	165	1.36	0.10	1.36	0.11	218	1.36	0.10	1.36	0.11
QBQ01ZC	1/0 AWG AL	345	16-#14	8.59	27.64	29.97	36.07	1332	305	165	1.38	0.10	1.38	0.11	217	1.38	0.10	1.38	0.11
QBR01ZC	2/0 AWG AL	345	13-#12	9.60	28.65	30.99	37.94	1541	305	189	1.08	0.10	1.08	0.10	247	1.08	0.10	1.08	0.10
QBS01ZC	3/0 AWG AL	345	16-#12	10.82	29.87	32.21	39.16	1725	330	216	0.86	0.10	0.86	0.10	281	0.86	0.10	0.86	0.10
QBT01ZC	4/0 AWG AL	345	20-#12	12.14	31.19	33.53	40.48	1905	330	245	0.69	0.09	0.69	0.09	319	0.69	0.09	0.69	0.09
QBU01ZC	250 MCM AL	345	23-#12	13.28	32.59	34.93	41.87	2188	356	268	0.59	0.09	0.59	0.09	348	0.59	0.09	0.59	0.09
QBV01ZC	350 MCM AL	345	33-#12	15.72	35.03	37.36	45.74	2810	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																			
QBP00ZC	1/0 SOLID AL	345	12-#16	8.26	27.41	29.74	35.17	1134	305	168	0.68	0.18	2.07	0.12	219	0.71	0.32	2.03	0.12
QBQ00ZC	1/0 AWG AL	345	12-#16	8.59	27.64	29.97	35.40	1146	305	167	0.70	0.18	2.09	0.12	217	0.73	0.32	2.05	0.12
QBR00ZC	2/0 AWG AL	345	13-#16	9.60	28.65	30.99	36.41	1236	305	190	0.55	0.17	1.84	0.11	246	0.58	0.31	1.80	0.11
QBS00ZC	3/0 AWG AL	345	14-#16	10.82	29.87	32.21	37.63	1344	305	216	0.44	0.16	1.63	0.10	279	0.47	0.27	1.60	0.10
QBT00ZC	4/0 AWG AL	345	17-#16	12.14	31.19	33.53	38.95	1440	330	245	0.35	0.16	1.33	0.10	312	0.39	0.29	1.31	0.10
QBU00ZC	250 MCM AL	345	21-#16	13.28	32.59	34.93	40.35	1660	330	268	0.30	0.15	1.09	0.09	338	0.34	0.28	1.08	0.09
QBV00ZC	350 MCM AL	345	27-#16	15.72	35.03	37.36	44.21	2046	356	322	0.22	0.15	0.83	0.09	393	0.26	0.26	0.82	0.09
QBW00ZC	500 MCM AL	345	25-#14	18.80	38.10	40.44	47.96	2584	406	388	0.16	0.14	0.58	0.08	449	0.22	0.23	0.57	0.08
QBX00ZC	750 MCM AL	345	24-#12	23.11	42.67	45.87	54.24	3543	457	472	0.11	0.13	0.38	0.07	512	0.18	0.20	0.38	0.07
QBY00ZC	1000 MCM AL	345	31-#12	26.92	46.48	49.68	58.05	4271	483	534	0.09	0.12	0.29	0.07	557	0.16	0.17	0.29	0.07

†Ampacities are based on the following:

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

Information Subject to Change without Notice.

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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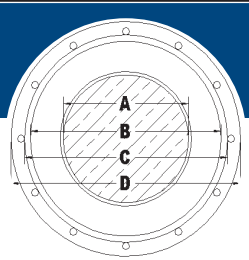

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- 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				
28kV 133% Copper Single Phase – Full Neutral																			
QB701ZC	1/0 SOLID CU	345	16-#12	8.26	27.41	29.74	36.69	1863	305	211	0.84	0.11	0.84	0.11	277	0.84	0.11	0.84	0.11
QB801ZC	1/0 AWG CU	345	16-#12	8.59	27.64	29.97	36.92	1879	305	211	0.85	0.11	0.85	0.11	276	0.85	0.11	0.85	0.11
QB901ZC	2/0 AWG CU	345	20-#12	9.60	28.65	30.99	37.94	2160	305	240	0.68	0.10	0.68	0.10	314	0.68	0.10	0.68	0.10
QBA01ZC	3/0 AWG CU	345	26-#12	10.82	29.87	32.21	39.16	2538	330	276	0.53	0.10	0.53	0.10	359	0.53	0.10	0.53	0.10
QBB01ZC	4/0 AWG CU	345	32-#12	12.14	31.19	33.53	40.48	2962	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																			
QB700ZC	1/0 SOLID CU	345	14-#16	8.26	27.41	29.74	35.17	1486	305	213	0.41	0.17	1.61	0.11	280	0.45	0.32	1.58	0.11
QB800ZC	1/0 AWG CU	345	14-#16	8.59	27.64	29.97	35.40	1502	305	212	0.42	0.17	1.62	0.11	278	0.46	0.32	1.59	0.11
QB900ZC	2/0 AWG CU	345	17-#16	9.60	28.65	30.99	36.41	1701	305	240	0.34	0.16	1.32	0.10	312	0.38	0.30	1.30	0.10
QBA00ZC	3/0 AWG CU	345	21-#16	10.82	29.87	32.21	37.63	1951	305	273	0.27	0.16	1.07	0.10	347	0.32	0.29	1.05	0.10
QBB00ZC	4/0 AWG CU	345	27-#16	12.14	31.19	33.53	38.95	2269	330	309	0.22	0.15	0.84	0.09	382	0.27	0.28	0.83	0.09
QBC00ZC	250 MCM CU	345	21-#14	13.28	32.59	34.93	41.03	2638	330	338	0.19	0.15	0.69	0.09	407	0.25	0.26	0.68	0.09
QBD00ZC	350 MCM CU	345	28-#14	15.72	35.03	37.36	44.89	3405	381	402	0.14	0.14	0.51	0.08	458	0.21	0.23	0.51	0.08
QBE00ZC	500 MCM CU	345	26-#12	18.77	38.07	40.41	48.78	4530	406	473	0.11	0.13	0.35	0.07	502	0.18	0.19	0.35	0.07
QBF00XC	750 MCM CU	345	25-#10	24.59	44.15	47.35	56.79	6561	457	557	0.08	0.12	0.23	0.07	568	0.15	0.15	0.23	0.07
QBG00XC	1000 MCM CU	345	32-#10	28.37	47.93	51.13	60.58	8226	508	609	0.07	0.11	0.18	0.06	620	0.13	0.12	0.18	0.06

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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.

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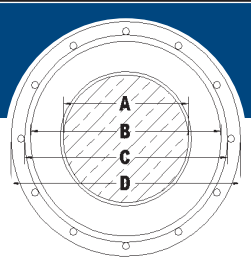

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- 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 100% Aluminum Single Phase – Full Neutral																			
QBP01ZC	1/0 SOLID AL	345	16-#14	8.26	27.41	29.74	35.84	1319	305	168	1.36	0.11	1.36	0.12	217	1.36	0.11	1.36	0.12
QBQ01ZC	1/0 AWG AL	345	16-#14	8.59	27.64	29.97	36.07	1332	305	169	1.38	0.11	1.38	0.11	218	1.38	0.11	1.38	0.11
QBR01ZC	2/0 AWG AL	345	13-#12	9.60	28.65	30.99	37.94	1541	305	194	1.08	0.10	1.08	0.11	249	1.08	0.10	1.08	0.11
QBS01ZC	3/0 AWG AL	345	16-#12	10.82	29.87	32.21	39.16	1725	330	220	0.86	0.10	0.86	0.10	283	0.86	0.10	0.86	0.10
QBT01ZC	4/0 AWG AL	345	20-#12	12.14	31.19	33.53	40.48	1905	330	250	0.69	0.10	0.69	0.10	321	0.69	0.10	0.69	0.10
QBU01ZC	250 MCM AL	345	23-#12	13.28	32.59	34.93	41.87	2266	356	280	0.56	0.09	0.56	0.09	353	0.56	0.09	0.56	0.09
QBV01ZC	350 MCM AL	345	33-#12	15.72	35.03	37.36	45.74	2810	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																			
QBP00ZC	1/0 SOLID AL	345	12-#16	8.26	27.41	29.74	35.17	1134	305	168	0.68	0.18	2.07	0.12	219	0.71	0.32	2.03	0.12
QBQ00ZC	1/0 AWG AL	345	12-#16	8.59	27.64	29.97	35.40	1146	305	167	0.70	0.18	2.09	0.12	217	0.73	0.32	2.05	0.12
QBR00ZC	2/0 AWG AL	345	13-#16	9.60	28.65	30.99	36.41	1236	305	190	0.55	0.17	1.84	0.11	246	0.58	0.31	1.80	0.11
QBS00ZC	3/0 AWG AL	345	14-#16	10.82	29.87	32.21	37.63	1344	305	216	0.44	0.16	1.63	0.10	279	0.47	0.27	1.60	0.10
QBT00ZC	4/0 AWG AL	345	17-#16	12.14	31.19	33.53	38.95	1440	330	245	0.35	0.16	1.33	0.10	312	0.39	0.29	1.31	0.10
QBU00ZC	250 MCM AL	345	21-#16	13.28	32.59	34.93	40.35	1660	330	268	0.30	0.15	1.09	0.09	338	0.34	0.28	1.08	0.09
QBV00ZC	350 MCM AL	345	27-#16	15.72	35.03	37.36	44.21	2046	356	322	0.22	0.15	0.83	0.09	393	0.26	0.26	0.82	0.09
QBW00ZC	500 MCM AL	345	25-#14	18.80	38.10	40.44	47.96	2584	406	388	0.16	0.14	0.58	0.08	449	0.22	0.23	0.57	0.08
QBX00ZC	750 MCM AL	345	24-#12	23.11	42.67	45.87	54.24	3543	457	472	0.11	0.13	0.38	0.07	512	0.18	0.20	0.38	0.07
QBY00ZC	1000 MCM AL	345	31-#12	26.92	46.48	49.68	58.05	4271	483	535	0.09	0.12	0.29	0.07	557	0.16	0.17	0.29	0.07

†Ampacities are based on the following:

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

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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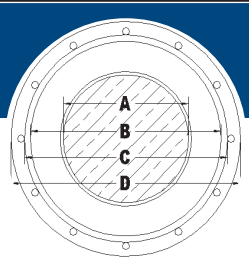

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance 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																			
QB701ZC	1/0 SOLID CU	345	16-#12	8.26	27.41	29.74	36.69	1863	305	215	0.84	0.12	0.84	0.12	276	0.84	0.12	0.84	0.12
QB801ZC	1/0 AWG CU	345	16-#12	8.59	27.64	29.97	36.92	1879	305	217	0.85	0.11	0.85	0.11	278	0.85	0.11	0.85	0.11
QB901ZC	2/0 AWG CU	345	20-#12	9.60	28.65	30.99	37.94	2160	305	248	0.67	0.11	0.67	0.11	316	0.67	0.11	0.67	0.11
QBA01ZC	3/0 AWG CU	345	26-#12	10.82	29.87	32.21	39.16	2538	330	281	0.53	0.10	0.53	0.10	358	0.53	0.10	0.53	0.10
QBB01ZC	4/0 AWG CU	345	32-#12	12.14	31.19	33.53	40.48	2962	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																			
QB700ZC	1/0 SOLID CU	345	14-#16	8.26	27.41	29.74	35.17	1486	305	216	0.41	0.18	1.59	0.12	277	0.45	0.32	1.56	0.12
QB800ZC	1/0 AWG CU	345	14-#16	8.59	27.64	29.97	35.40	1502	305	216	0.42	0.17	1.60	0.11	278	0.46	0.31	1.57	0.11
QB900ZC	2/0 AWG CU	345	17-#16	9.60	28.65	30.99	36.41	1701	305	245	0.34	0.17	1.30	0.11	311	0.38	0.30	1.28	0.11
QBA00ZC	3/0 AWG CU	345	21-#16	10.82	29.87	32.21	37.63	1951	305	278	0.27	0.16	1.03	0.10	347	0.32	0.29	1.01	0.10
QBB00ZC	4/0 AWG CU	345	27-#16	12.14	31.19	33.53	38.95	2269	330	314	0.22	0.16	0.80	0.09	383	0.27	0.27	0.79	0.09
QBC00ZC	250 MCM CU	345	21-#14	13.28	32.59	34.93	41.03	2638	330	344	0.19	0.15	0.69	0.09	408	0.24	0.26	0.68	0.09
QBD00ZC	350 MCM CU	345	28-#14	15.72	35.03	37.36	44.89	3405	381	408	0.14	0.15	0.50	0.08	461	0.20	0.23	0.50	0.08
QBE00ZC	500 MCM CU	345	26-#12	18.77	38.07	40.41	48.78	4530	406	480	0.11	0.14	0.34	0.08	510	0.17	0.19	0.34	0.08
QBF00XC	750 MCM CU	345	25-#10	24.59	44.15	47.35	56.79	6561	457	562	0.08	0.13	0.24	0.07	572	0.15	0.16	0.24	0.07
QBG00XC	1000 MCM CU	345	32-#10	28.37	47.93	51.13	60.58	8226	508	612	0.07	0.12	0.18	0.07	624	0.13	0.13	0.18	0.07

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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.

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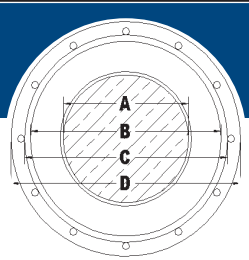

TRXLPE URD CSA

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)	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- Sequence Impedance Reactance (Ω/km)	Zero Sequence Impedance Resistance (Ω/km)††	Zero Sequence Impedance Reactance (Ω/km)††	†Ampacity (Amps)	+/- Sequence Impedance Resistance (Ω/km)	+/- Sequence Impedance Reactance (Ω/km)	Zero Sequence Impedance Resistance (Ω/km)††	Zero Sequence Impedance Reactance (Ω/km)††
										90°C In Duct					90°C Direct Buried				
35kV 133% Aluminum Single Phase – Full Neutral																			
QCP01ZC	1/0 SOLID AL	420	16-#14	8.26	31.37	33.71	39.81	1538	330	168	1.36	0.11	1.36	0.12	217	1.36	0.11	1.36	0.12
QCQ01ZC	1/0 AWG AL	420	16-#14	8.59	31.60	33.93	40.04	1552	330	169	1.38	0.11	1.38	0.11	218	1.38	0.11	1.38	0.11
QCR01ZC	2/0 AWG AL	420	13-#12	9.60	32.61	34.95	41.90	1772	356	194	1.08	0.10	1.08	0.11	249	1.08	0.10	1.08	0.11
QCS01ZC	3/0 AWG AL	420	16-#12	10.82	33.83	36.17	44.54	2044	381	220	0.86	0.10	0.86	0.10	283	0.86	0.10	0.86	0.10
QCT01ZC	4/0 AWG AL	420	20-#12	12.14	35.15	37.49	45.86	2233	381	250	0.69	0.10	0.69	0.10	321	0.69	0.10	0.69	0.10
QCU01ZC	250 MCM AL	420	23-#12	13.28	36.55	38.89	47.26	2527	381	280	0.56	0.09	0.56	0.09	353	0.56	0.09	0.56	0.09
QCV01ZC	350 MCM AL	420	33-#12	15.72	38.99	42.19	50.56	3156	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																			
QCP00ZC	1/0 SOLID AL	420	14-#16	8.26	31.37	33.71	39.13	1370	330	169	0.68	0.18	1.86	0.12	217	0.71	0.32	1.83	0.12
QCQ00ZC	1/0 AWG AL	420	14-#16	8.59	31.60	33.93	39.36	1384	330	168	0.70	0.18	1.88	0.12	215	0.73	0.32	1.85	0.12
QCR00ZC	2/0 AWG AL	420	14-#16	9.60	32.61	34.95	40.38	1469	330	191	0.55	0.18	1.83	0.12	244	0.58	0.31	1.80	0.12
QCS00ZC	3/0 AWG AL	420	15-#16	10.82	33.83	36.17	41.60	1583	356	217	0.44	0.17	1.55	0.11	276	0.47	0.30	1.52	0.11
QCT00ZC	4/0 AWG AL	420	17-#16	12.14	35.15	37.49	44.34	1757	356	247	0.35	0.17	1.33	0.11	309	0.38	0.29	1.31	0.11
QCU00ZC	250 MCM AL	420	21-#16	13.28	36.55	38.89	45.74	1987	381	270	0.30	0.16	1.09	0.10	335	0.34	0.28	1.07	0.10
QCV00ZC	350 MCM AL	420	27-#16	15.72	38.99	42.19	49.04	2381	406	324	0.21	0.15	0.83	0.09	392	0.26	0.26	0.82	0.09
QCW00ZC	500 MCM AL	420	25-#14	18.80	42.06	45.26	52.79	2945	432	390	0.16	0.15	0.58	0.08	450	0.21	0.24	0.57	0.09
QCX00ZC	750 MCM AL	420	24-#12	23.11	46.63	49.83	58.21	3867	483	474	0.11	0.14	0.38	0.08	521	0.16	0.20	0.38	0.08
QCY00ZC	1000 MCM AL	420	31-#12	26.92	50.44	53.64	62.02	4617	508	537	0.09	0.13	0.29	0.07	561	0.15	0.17	0.29	0.07

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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.

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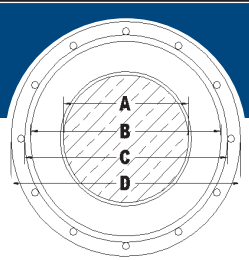

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (mm) (A)	Insulation Diameter (mm) (B)	Insulation Shield Diameter (mm) (C)	Jacket Diameter (mm) (D)	Cable Weight (kg/km)	Minimum Bending Radius (mm)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (Ω/km)	90°C In Duct +/- Sequence Impedance Reactance (Ω/km)	90°C In Duct Zero Sequence Impedance Resistance (Ω/km)††	90°C In Duct Zero Sequence Impedance Reactance (Ω/km)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (Ω/km)	90°C Direct Buried +/- Sequence Impedance Reactance (Ω/km)	90°C Direct Buried Zero Sequence Impedance Resistance (Ω/km)††	90°C Direct Buried Zero Sequence Impedance Reactance (Ω/km)††
35kV 133% Copper Single Phase – Full Neutral																			
QC701ZC	1/0 SOLID CU	420	16-#12	8.26	31.37	33.71	40.66	2086	330	215	0.84	0.12	0.84	0.12	276	0.84	0.12	0.84	0.12
QC801ZC	1/0 AWG CU	420	16-#12	8.59	31.60	33.93	40.88	2104	330	217	0.85	0.11	0.85	0.11	278	0.85	0.11	0.85	0.11
QC901ZC	2/0 AWG CU	420	20-#12	9.60	32.61	34.95	41.90	2391	356	248	0.67	0.11	0.67	0.11	316	0.67	0.11	0.67	0.11
QCA01ZC	3/0 AWG CU	420	26-#12	10.82	33.83	36.17	44.54	2857	381	281	0.53	0.10	0.53	0.10	358	0.53	0.10	0.53	0.10
QCB01ZC	4/0 AWG CU	420	32-#12	12.14	35.15	37.49	45.86	3291	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																			
QC700ZC	1/0 SOLID CU	420	14-#16	8.26	31.37	33.71	39.13	1701	330	216	0.41	0.18	1.59	0.12	277	0.45	0.32	1.56	0.12
QC800ZC	1/0 AWG CU	420	14-#16	8.59	31.60	33.93	39.36	1718	330	216	0.42	0.17	1.60	0.11	278	0.46	0.31	1.57	0.11
QC900ZC	2/0 AWG CU	420	17-#16	9.60	32.61	34.95	40.38	1923	330	245	0.34	0.17	1.30	0.11	311	0.38	0.30	1.28	0.11
QCA00ZC	3/0 AWG CU	420	21-#16	10.82	33.83	36.17	41.60	2180	356	278	0.27	0.16	1.03	0.10	347	0.32	0.29	1.01	0.10
QCB00ZC	4/0 AWG CU	420	27-#16	12.14	35.15	37.49	44.34	2586	356	314	0.22	0.16	0.80	0.09	383	0.27	0.27	0.79	0.09
QCC00ZC	250 MCM CU	420	21-#14	13.28	36.55	38.89	46.41	2970	381	344	0.19	0.15	0.69	0.09	408	0.24	0.26	0.68	0.09
QCD00ZC	350 MCM CU	420	28-#14	15.72	38.99	42.19	49.71	3745	406	408	0.14	0.15	0.50	0.08	461	0.20	0.23	0.50	0.08
QCE00ZC	500 MCM CU	420	26-#12	18.77	42.04	45.24	53.61	4898	432	480	0.11	0.14	0.34	0.08	510	0.17	0.19	0.34	0.08
QCF00XC	750 MCM CU	420	25-#10	24.59	48.11	51.31	60.76	6901	508	562	0.08	0.13	0.24	0.07	572	0.15	0.16	0.24	0.07
QCG00XC	1000 MCM CU	420	32-#10	28.37	51.89	55.09	64.54	8588	533	612	0.07	0.12	0.18	0.07	624	0.13	0.13	0.18	0.07

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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.

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