

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



APPLICATIONS

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

SPECIFICATIONS AND RATINGS

CSA- CSA C68.5 -40°C

ICEA- ICEA T-31-610

ICEA- ICEA T-34-664

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

OPTIONS

- Black LLDPE jacket with no stripes
- Multiplex cables
- Super smooth conductor shield
- Tinned round and flat strap neutrals
- Compact stranded conductors
- UL MV-90 rating if required
- 46kV
- REA/RUS U-1 where applicable

INSTALLATION

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

DESIGN PARAMETERS

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

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

INSULATION: Natural high dielectric VOLTALENE™ TRXLPE insulation, exhibiting an optimum balance of mechanical and electrical properties, assuring 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. Water-blocking agents applied over the insulation shield and around the neutral wires to resist longitudinal water penetration

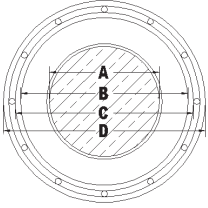
JACKET: Black insulating sunlight resistant linear low-density polyethylene encapsulating the neutral wires with three extruded red stripes.

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



5kV 100% Aluminum



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
5KV 100% Aluminum Single Phase - Full Neutral										90°C In Duct					90°C Direct Buried				
Q4L03ZC	2 SOLID AL	90	10-#14	6.55	12.40	14.27	20.38	546	178	119	2.17	0.08	2.17	0.08	169	2.17	0.08	2.17	0.08
Q4M03ZC	2 AWG AL	90	10-#14	6.81	12.55	14.43	20.53	552	178	120	2.20	0.08	2.20	0.08	170	2.20	0.08	2.20	0.08
Q4N03ZC	1 SOLID AL	90	13-#14	7.34	13.18	15.06	21.16	639	178	136	1.70	0.08	1.70	0.08	193	1.70	0.08	1.70	0.08
Q4O03ZC	1 AWG AL	90	13-#14	7.65	13.39	15.27	21.37	648	178	138	1.72	0.07	1.72	0.07	195	1.72	0.07	1.72	0.07
Q4P03ZC	1/0 SOLID AL	90	16-#14	8.26	14.10	15.98	22.08	741	178	155	1.36	0.07	1.36	0.07	219	1.36	0.07	1.36	0.07
Q4Q03ZC	1/0 AWG AL	90	16-#14	8.59	14.33	16.21	22.31	752	203	156	1.38	0.07	1.38	0.07	220	1.38	0.07	1.38	0.07
Q4R03ZC	2/0 AWG AL	90	13-#12	9.60	15.34	17.22	24.17	924	203	181	1.08	0.07	1.08	0.07	251	1.08	0.07	1.08	0.07
Q4S03ZC	3/0 AWG AL	90	16-#12	10.82	16.56	18.44	25.39	1086	203	206	0.86	0.06	0.86	0.06	285	0.86	0.06	0.86	0.06
Q4T03ZC	4/0 AWG AL	90	20-#12	12.14	17.88	19.76	26.71	1240	229	235	0.69	0.06	0.69	0.06	324	0.69	0.06	0.69	0.06
Q4U03ZC	250 MCM AL	90	23-#12	13.28	19.28	21.16	28.11	1497	229	264	0.56	0.06	0.56	0.06	358	0.56	0.06	0.56	0.06
Q4V03ZC	350 MCM AL	90	33-#12	15.72	21.72	23.60	30.55	1991	254	313	0.42	0.06	0.42	0.05	423	0.42	0.06	0.42	0.05
5KV 100% Aluminum Three Phase - One-Third Neutral																			
Q4L02ZC	2 SOLID AL	90	6-#16	6.55	12.40	14.27	19.70	408	178	123	1.08	0.15	4.03	0.08	180	1.10	0.34	3.55	0.0
Q4M02ZC	2 AWG AL	90	6-#16	6.81	12.55	14.43	19.85	414	178	122	1.10	0.15	4.05	0.08	180	1.12	0.34	3.58	0.08
Q4N02ZC	1 SOLID AL	90	7-#16	7.34	13.18	15.06	20.49	458	178	140	0.86	0.15	3.39	0.07	204	0.88	0.33	3.33	0.07
Q4O02ZC	1 AWG AL	90	7-#16	7.65	13.39	15.27	20.69	467	178	139	0.87	0.14	3.41	0.07	204	0.90	0.30	3.36	0.07
Q4P02ZC	1/0 SOLID AL	90	9-#16	8.26	14.10	15.98	21.40	527	178	159	0.68	0.14	2.65	0.07	230	0.71	0.32	2.61	0.07
Q4Q02ZC	1/0 AWG AL	90	9-#16	8.59	14.33	16.21	21.63	538	178	158	0.70	0.14	2.67	0.07	230	0.73	0.31	2.63	0.07
Q4R02ZC	2/0 AWG AL	90	11-#16	9.60	15.34	17.22	22.65	618	203	180	0.55	0.13	2.17	0.06	260	0.59	0.30	2.14	0.06
Q4S02ZC	3/0 AWG AL	90	14-#16	10.82	16.56	18.44	23.87	725	203	206	0.44	0.13	1.71	0.06	292	0.48	0.29	1.69	0.06
Q4T02ZC	4/0 AWG AL	90	17-#16	12.14	17.88	19.76	25.19	796	203	234	0.35	0.12	1.40	0.06	325	0.40	0.28	1.38	0.06
Q4U02ZC	250 MCM AL	90	21-#16	13.28	19.28	21.16	26.58	990	229	258	0.30	0.12	1.14	0.05	349	0.35	0.27	1.12	0.06
Q4V02ZC	350 MCM AL	90	27-#16	15.72	21.72	23.60	29.02	1251	254	311	0.22	0.11	0.87	0.05	402	0.28	0.25	0.87	0.05
Q4W02ZC	500 MCM AL	90	25-#14	18.80	24.79	26.67	32.77	1711	279	377	0.16	0.11	0.58	0.05	451	0.23	0.22	0.58	0.05
Q4X02ZC	750 MCM AL	90	24-#12	23.11	29.36	31.70	38.65	2515	330	460	0.11	0.11	0.39	0.04	506	0.19	0.18	0.39	0.04
Q4Y02ZC	1000 MCM AL	90	31-#12	26.92	33.17	35.51	43.88	3254	356	521	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)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

^S 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.

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.

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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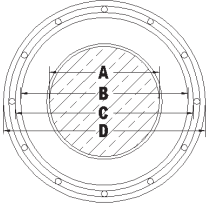
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5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



5kV 100% Copper



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
5KV 100% Copper Single Phase - Full Neutral										90°C In Duct					90°C Direct Buried				
Q4303ZC	2 SOLID CU	90	16-#14	6.55	12.40	14.27	20.38	860	178	152	1.34	0.08	1.34	0.08	215	1.34	0.08	1.34	0.08
Q4403ZC	2 AWG CU	90	16-#14	6.81	12.55	14.43	20.53	867	178	153	1.35	0.08	1.35	0.08	217	1.35	0.08	1.35	0.08
Q4503ZC	1 SOLID CU	90	13-#12	7.34	13.18	15.06	22.01	1062	178	175	1.04	0.08	1.04	0.08	245	1.04	0.08	1.04	0.08
Q4603ZC	1 AWG CU	90	13-#12	7.59	13.34	15.21	22.16	1075	178	176	1.06	0.08	1.06	0.08	247	1.06	0.08	1.06	0.08
Q4703ZC	1/0 SOLID CU	90	16-#12	8.26	14.10	15.98	22.93	1267	203	198	0.84	0.08	0.84	0.07	277	0.84	0.08	0.84	0.07
Q4803ZC	1/0 AWG CU	90	16-#12	8.59	14.33	16.21	23.15	1281	203	200	0.85	0.07	0.85	0.07	280	0.85	0.07	0.85	0.07
Q4903ZC	2/0 AWG CU	90	20-#12	9.60	15.34	17.22	24.17	1542	203	231	0.67	0.07	0.67	0.07	317	0.67	0.07	0.67	0.07
Q4A03ZC	3/0 AWG CU	90	26-#12	10.82	16.56	18.44	25.39	1897	203	262	0.53	0.07	0.53	0.07	359	0.53	0.07	0.53	0.07
Q4B03ZC	4/0 AWG CU	90	32-#12	12.14	17.88	19.76	26.71	2296	229	300	0.43	0.06	0.43	0.06	407	0.43	0.06	0.43	0.06
5KV 100% Copper Three Phase - One-Third Neutral																			
Q4302ZC	2 SOLID CU	90	9-#16	6.55	12.40	14.27	19.70	657	178	157	0.66	0.15	2.45	0.08	157	0.66	0.15	2.45	0.08
Q4402ZC	2 AWG CU	90	9-#16	6.81	12.55	14.43	19.85	665	178	158	0.67	0.15	2.47	0.08	158	0.67	0.15	2.47	0.08
Q4502ZC	1 SOLID CU	90	11-#16	7.34	13.18	15.06	20.49	771	178	179	0.52	0.15	2.06	0.08	179	0.52	0.15	2.06	0.08
Q4602ZC	1 AWG CU	90	11-#16	7.59	13.34	15.21	20.64	783	178	180	0.53	0.14	2.08	0.07	180	0.53	0.14	2.08	0.07
Q4702ZC	1/0 SOLID CU	90	14-#16	8.26	14.10	15.98	21.40	922	178	204	0.41	0.14	1.61	0.07	204	0.41	0.14	1.61	0.07
Q4802ZC	1/0 AWG CU	90	14-#16	8.59	14.33	16.21	21.63	936	178	205	0.42	0.14	1.62	0.07	205	0.42	0.14	1.62	0.07
Q4902ZC	2/0 AWG CU	90	17-#16	9.60	15.34	17.22	22.65	1115	203	233	0.34	0.13	1.32	0.07	233	0.34	0.13	1.32	0.07
Q4A02ZC	3/0 AWG CU	90	21-#16	10.82	16.56	18.44	23.87	1343	203	265	0.27	0.13	1.04	0.06	265	0.27	0.13	1.04	0.06
Q4B02ZC	4/0 AWG CU	90	27-#16	12.14	17.88	19.76	25.19	1636	203	301	0.22	0.12	0.82	0.06	301	0.22	0.12	0.82	0.06
Q4C02ZC	250 MCM CU	90	21-#14	13.28	19.28	21.16	27.26	1966	229	331	0.19	0.12	0.70	0.06	331	0.19	0.12	0.70	0.06
Q4D02ZC	350 MCM CU	90	28-#14	15.72	21.72	23.60	29.70	2607	254	393	0.14	0.11	0.51	0.05	393	0.14	0.11	0.51	0.05
Q4E02ZC	500 MCM CU	90	26-#12	18.77	24.77	26.64	33.59	3653	279	464	0.11	0.11	0.34	0.05	464	0.11	0.11	0.34	0.05
Q4F02XC	750 MCM CU	90	25-#10	24.59	30.84	33.17	41.20	5527	330	542	0.08	0.11	0.24	0.05	542	0.08	0.11	0.24	0.05
Q4G02XC	1000 MCM CU	90	32-#10	28.37	34.62	36.96	46.41	7223	381	588	0.07	0.10	0.18	0.04	588	0.07	0.10	0.18	0.04

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

⁵ 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.

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.

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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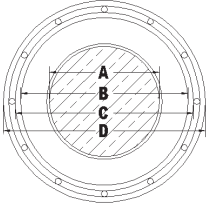
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5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



5kV 133% / 8kV 100% Aluminum



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
				(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
5KV 133% / 8kV 100% Aluminum Single Phase - Full Neutral																			
Q5L03ZC	2 SOLID AL	115	10-#14	6.55	13.67	15.54	21.65	586	178	120	2.17	0.09	2.17	0.09	169	2.17	0.09	2.17	0.09
Q5M03ZC	2 AWG AL	115	10-#14	6.81	13.82	15.70	21.80	592	178	120	2.20	0.09	2.20	0.09	169	2.20	0.09	2.20	0.09
Q5P03ZC	1/0 SOLID AL	115	16-#14	7.34	14.45	16.33	22.43	680	203	138	1.70	0.08	1.70	0.08	193	1.70	0.08	1.70	0.08
Q5O03ZC	1 AWG AL	115	13-#14	7.65	14.66	16.54	22.64	690	203	138	1.72	0.08	1.72	0.08	193	1.72	0.08	1.72	0.08
Q5P03ZC	1/0 SOLID AL	115	16-#14	8.26	15.37	17.25	23.35	784	203	157	1.36	0.08	1.36	0.08	219	1.36	0.08	1.36	0.08
Q5Q03ZC	1/0 AWG AL	115	16-#14	8.59	15.60	17.48	23.58	795	203	156	1.38	0.08	1.38	0.08	218	1.38	0.08	1.38	0.08
Q5R03ZC	2/0 AWG AL	115	13-#12	9.60	16.61	18.49	25.44	971	229	180	1.08	0.08	1.08	0.07	249	1.08	0.08	1.08	0.07
Q5S03ZC	3/0 AWG AL	115	16-#12	10.82	17.83	19.71	26.66	1135	229	205	0.86	0.07	0.86	0.07	282	0.86	0.07	0.86	0.07
Q5T03ZC	4/0 AWG AL	115	20-#12	12.14	19.15	21.03	27.98	1291	229	234	0.69	0.07	0.69	0.07	320	0.69	0.07	0.69	0.07
Q5Uv3ZC	250 MCM AL	115	23-#12	13.28	20.55	22.43	29.38	1551	254	257	0.59	0.06	0.59	0.06	350	0.59	0.06	0.59	0.06
Q5V03ZC	350 MCM AL	115	33-#12	15.72	22.99	24.87	31.82	2050	279	314	0.42	0.06	0.42	0.06	425	0.42	0.06	0.42	0.06
5KV 133% / 8kV 100% Aluminum Three Phase - One-Third Neutral																			
Q5L02ZC	2 SOLID AL	115	7-#16	6.55	13.67	15.54	20.97	456	178	123	1.08	0.15	3.50	0.09	178	1.10	0.34	3.44	0.09
Q5M02ZC	2 AWG AL	115	7-#16	6.81	13.82	15.70	21.12	463	178	123	1.10	0.16	3.52	0.09	177	1.12	0.34	3.46	0.09
Q5N02ZC	1 SOLID	115	7-#16	7.34	14.45	16.33	21.76	497	178	140	0.86	0.15	3.28	0.08	202	0.88	0.33	3.23	0.08
Q5O02ZC	1 AWG AL	115	7-#16	7.65	14.66	16.54	21.96	506	178	140	0.87	0.15	3.30	0.08	201	0.90	0.33	3.25	0.08
Q5P02ZC	1/0 SOLID AL	115	9-#16	8.26	15.37	17.25	22.67	568	203	160	0.68	0.14	2.57	0.08	229	0.71	0.32	2.53	0.08
Q5Q02ZC	1/0 AWG AL	115	9-#16	8.59	15.60	17.48	22.90	579	203	159	0.70	0.14	2.59	0.08	227	0.73	0.32	2.55	0.08
Q5R02ZC	2/0 AWG AL	115	11-#16	9.60	16.61	18.49	23.92	661	203	181	0.55	0.14	2.10	0.07	256	0.59	0.31	2.07	0.07
Q5S02ZC	3/0 AWG AL	115	14-#16	10.82	17.83	19.71	25.14	770	203	207	0.44	0.13	1.65	0.07	287	0.48	0.30	1.63	0.07
Q5T02ZC	4/0 AWG AL	115	17-#16	12.14	19.15	21.03	26.46	843	229	235	0.35	0.13	1.35	0.06	320	0.40	0.29	1.34	0.06
Q5U02ZC	250 MCM AL	115	21-#16	13.28	20.55	22.43	27.85	1041	229	259	0.30	0.12	1.11	0.06	345	0.35	0.27	1.10	0.06
Q5V02ZC	350 MCM AL	115	27-#16	15.72	22.99	24.87	30.29	1306	254	312	0.22	0.12	0.84	0.06	397	0.28	0.25	0.84	0.06
Q5W02ZC	500 MCM AL	115	25-#14	18.80	26.06	28.40	34.50	1803	279	378	0.16	0.11	0.58	0.05	447	0.23	0.22	0.58	0.05
Q5X02ZC	750 MCM AL	115	24-#12	23.11	30.63	32.97	39.92	2588	330	461	0.11	0.11	0.38	0.05	501	0.19	0.18	0.38	0.05
Q5Y02ZC	1000 MCM AL	115	31-#12	26.92	34.44	36.78	45.15	3336	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)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

^S 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.

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.

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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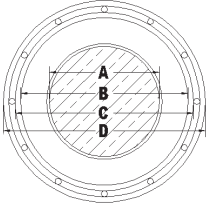
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PDN-0028-1025

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



5kV 133% / 8kV 100% Copper



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
5kV 133% / 8kV 100% Copper Single Phase - Full Neutral										90°C In Duct					90°C Direct Buried				
(A)	(B)	(C)	(D)																
Q4303ZC	2 SOLID CU	90	16-#14	6.55	12.40	14.27	20.38	860	178	152	1.34	0.08	1.34	0.08	215	1.34	0.08	1.34	0.08
Q4403ZC	2 AWG CU	90	16-#14	6.81	12.55	14.43	20.53	867	178	153	1.35	0.08	1.35	0.08	217	1.35	0.08	1.35	0.08
Q4503ZC	1 SOLID CU	90	13-#12	7.34	13.18	15.06	22.01	1062	178	175	1.04	0.08	1.04	0.08	245	1.04	0.08	1.04	0.08
Q4603ZC	1 AWG CU	90	13-#12	7.59	13.34	15.21	22.16	1075	178	176	1.06	0.08	1.06	0.08	247	1.06	0.08	1.06	0.08
Q4703ZC	1/0 SOLID CU	90	16-#12	8.26	14.10	15.98	22.93	1267	203	198	0.84	0.08	0.84	0.07	277	0.84	0.08	0.84	0.07
Q4803ZC	1/0 AWG CU	90	16-#12	8.59	14.33	16.21	23.15	1281	203	200	0.85	0.07	0.85	0.07	280	0.85	0.07	0.85	0.07
Q4903ZC	2/0 AWG CU	90	20-#12	9.60	15.34	17.22	24.17	1542	203	231	0.67	0.07	0.67	0.07	317	0.67	0.07	0.67	0.07
Q4A03ZC	3/0 AWG CU	90	26-#12	10.82	16.56	18.44	25.39	1897	203	262	0.53	0.07	0.53	0.07	359	0.53	0.07	0.53	0.07
Q4B03ZC	4/0 AWG CU	90	32-#12	12.14	17.88	19.76	26.71	2296	229	300	0.43	0.06	0.43	0.06	407	0.43	0.06	0.43	0.06
5kV 100% / 8kV 100% Copper Three Phase - One-Third Neutral																			
Q4302ZC	2 SOLID CU	90	9-#16	6.55	12.40	14.27	19.70	657	178	157	0.66	0.15	2.45	0.08	157	0.66	0.15	2.45	0.08
Q4402ZC	2 AWG CU	90	9-#16	6.81	12.55	14.43	19.85	665	178	158	0.67	0.15	2.47	0.08	158	0.67	0.15	2.47	0.08
Q4502ZC	1 SOLID CU	90	11-#16	7.34	13.18	15.06	20.49	771	178	179	0.52	0.15	2.06	0.08	179	0.52	0.15	2.06	0.08
Q4602ZC	1 AWG CU	90	11-#16	7.59	13.34	15.21	20.64	783	178	180	0.53	0.14	2.08	0.07	180	0.53	0.14	2.08	0.07
Q4702ZC	1/0 SOLID CU	90	14-#16	8.26	14.10	15.98	21.40	922	178	204	0.41	0.14	1.61	0.07	204	0.41	0.14	1.61	0.07
Q4802ZC	1/0 AWG CU	90	14-#16	8.59	14.33	16.21	21.63	936	178	205	0.42	0.14	1.62	0.07	205	0.42	0.14	1.62	0.07
Q4902ZC	2/0 AWG CU	90	17-#16	9.60	15.34	17.22	22.65	1115	203	233	0.34	0.13	1.32	0.07	233	0.34	0.13	1.32	0.07
Q4A02ZC	3/0 AWG CU	90	21-#16	10.82	16.56	18.44	23.87	1343	203	265	0.27	0.13	1.04	0.06	265	0.27	0.13	1.04	0.06
Q4B02ZC	4/0 AWG CU	90	27-#16	12.14	17.88	19.76	25.19	1636	203	301	0.22	0.12	0.82	0.06	301	0.22	0.12	0.82	0.06
Q4C02ZC	250 MCM CU	90	21-#14	13.28	19.28	21.16	27.26	1966	229	331	0.19	0.12	0.70	0.06	331	0.19	0.12	0.70	0.06
Q4D02ZC	350 MCM CU	90	28-#14	15.72	21.72	23.60	29.70	2607	254	393	0.14	0.11	0.51	0.05	393	0.14	0.11	0.51	0.05
Q4E02ZC	500 MCM CU	90	26-#12	18.77	24.77	26.64	33.59	3653	279	464	0.11	0.11	0.34	0.05	464	0.11	0.11	0.34	0.05
Q4F02XC	750 MCM CU	90	25-#10	24.59	30.84	33.17	41.20	5527	330	542	0.08	0.11	0.24	0.05	542	0.08	0.11	0.24	0.05
Q4G02XC	1000 MCM CU	90	32-#10	28.37	34.62	36.96	46.41	7223	381	588	0.07	0.10	0.18	0.04	588	0.07	0.10	0.18	0.04

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

⁵ 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.

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.

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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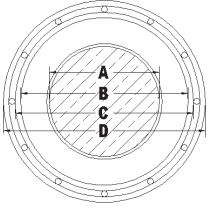
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PDN-0028-1025

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



8kV 133% Aluminum



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
8KV 133% Aluminum Single Phase - Full Neutral										90°C In Duct					90°C Direct Buried				
Q6L03ZC	2 SOLID AL	140	10-#14	6.55	14.99	16.87	22.97	630	203	120	2.17	0.09	2.17	0.09	169	2.17	0.09	2.17	0.09
Q6M03ZC	2 AWG AL	140	10-#14	6.81	15.14	17.02	23.12	636	203	120	2.20	0.09	2.20	0.09	169	2.20	0.09	2.20	0.09
Q6N03ZC	1 SOLID AL	140	13-#14	7.34	15.77	17.65	23.75	726	203	138	1.70	0.08	1.70	0.08	193	1.70	0.08	1.70	0.08
Q6O03ZC	1 AWG AL	140	13-#14	7.65	15.98	17.86	23.96	736	203	138	1.72	0.08	1.72	0.08	193	1.72	0.08	1.72	0.08
Q6P03ZC	1/0 SOLID AL	140	16-#14	8.26	16.69	18.57	24.67	831	203	157	1.36	0.08	1.36	0.08	219	1.36	0.08	1.36	0.08
Q6Q03ZC	1/0 AWG AL	140	16-#14	8.59	16.92	18.80	24.90	843	203	156	1.38	0.08	1.38	0.08	218	1.38	0.08	1.38	0.08
Q6R03ZC	2/0 AWG AL	140	13-#12	9.60	17.93	19.81	26.76	1022	229	180	1.08	0.08	1.08	0.07	249	1.08	0.08	1.08	0.07
Q6S03ZC	3/0 AWG AL	140	16-#12	10.82	19.15	21.03	27.98	1188	229	205	0.86	0.07	0.86	0.07	282	0.86	0.07	0.86	0.07
Q6T03ZC	4/0 AWG AL	140	20-#12	12.14	20.47	22.35	29.30	1347	254	234	0.69	0.07	0.69	0.07	320	0.69	0.07	0.69	0.07
Q6U03ZC	250 MCM AL	140	23-#12	13.28	21.87	23.75	30.70	1610	254	257	0.59	0.06	0.59	0.06	350	0.59	0.06	0.59	0.06
Q6V03ZC	350 MCM AL	140	33-#12	15.72	24.31	26.19	33.14	2113	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																			
Q6L02ZC	2 SOLID AL	140	8-#16	6.55	14.99	16.87	22.29	498	203	124	1.08	0.16	3.27	0.10	177	1.10	0.34	3.21	0.10
Q6M02ZC	2 AWG AL	140	8-#16	6.81	15.14	17.02	22.44	505	203	124	1.10	0.16	3.30	0.10	176	1.12	0.34	3.24	0.10
Q6N02ZC	1 SOLID AL	140	8-#16	7.34	15.77	17.65	23.08	551	203	141	0.86	0.16	3.05	0.09	201	0.88	0.33	2.99	0.09
Q6O02ZC	1 AWG AL	140	8-#16	7.65	15.98	17.86	23.28	561	203	141	0.87	0.15	3.07	0.09	200	0.90	0.32	3.02	0.09
Q6P02ZC	1/0 SOLID AL	140	9-#16	8.26	16.69	18.57	23.99	613	203	161	0.68	0.15	2.64	0.09	227	0.71	0.32	2.59	0.09
Q6Q02ZC	1/0 AWG AL	140	9-#16	8.59	16.92	18.80	24.22	625	203	160	0.70	0.15	2.65	0.08	226	0.72	0.32	2.61	0.08
Q6R02ZC	2/0 AWG AL	140	11-#16	9.60	17.93	19.81	25.24	709	203	182	0.55	0.15	2.16	0.08	255	0.58	0.31	2.12	0.08
Q6S02ZC	3/0 AWG AL	140	14-#16	10.82	19.15	21.03	26.46	820	229	208	0.44	0.14	1.70	0.08	286	0.47	0.29	1.67	0.08
Q6T02ZC	4/0 AWG AL	140	17-#16	12.14	20.47	22.35	27.78	896	229	237	0.35	0.13	1.39	0.07	320	0.39	0.28	1.37	0.07
Q6U02ZC	250 MCM AL	140	21-#16	13.28	21.87	23.75	29.17	1096	254	260	0.30	0.13	1.14	0.07	344	0.35	0.27	1.12	0.07
Q6V02ZC	350 MCM AL	140	27-#16	15.72	24.31	26.19	31.61	1366	254	313	0.21	0.12	0.87	0.06	397	0.27	0.25	0.86	0.06
Q6W02ZC	500 MCM AL	140	25-#14	18.80	27.38	29.72	35.82	1871	305	380	0.16	0.12	0.58	0.06	448	0.22	0.22	0.58	0.06
Q6X02ZC	750 MCM AL	140	24-#12	23.11	31.95	34.29	41.24	2667	330	464	0.11	0.11	0.39	0.05	502	0.19	0.18	0.39	0.05
Q6Y02ZC	1000 MCM AL	140	31-#12	26.92	35.76	38.10	46.47	3425	381	524	0.09	0.11	0.30	0.05	541	0.16	0.16	0.30	0.05

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

^S 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.

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.

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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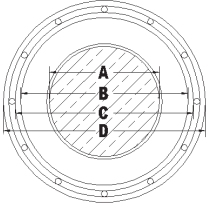
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PDN-0028-1025

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



8kV 133% Copper



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
8KV 133% Copper Single Phase - Full Neutral										90°C In Duct					90°C Direct Buried				
Q6303ZC	2 SOLID CU	140	16-#14	6.55	14.99	16.87	22.97	943	203	154	1.34	0.09	1.34	0.09	215	1.34	0.09	1.34	0.09
Q6403ZC	2 AWG CU	140	16-#14	6.81	15.14	17.02	23.12	951	203	153	1.35	0.09	1.35	0.09	215	1.35	0.09	1.35	0.09
Q6503ZC	1 SOLID CU	140	13-#12	7.34	15.77	17.65	24.60	1152	203	177	1.04	0.08	1.04	0.08	245	1.04	0.08	1.04	0.08
Q6603ZC	1 AWG CU	140	13-#12	7.59	15.93	17.81	24.75	1165	203	176	1.06	0.09	1.06	0.08	244	1.06	0.09	1.06	0.08
Q6703ZC	1/0 SOLID CU	140	16-#12	8.26	16.69	18.57	25.52	1360	229	200	0.84	0.08	0.84	0.08	277	0.84	0.08	0.84	0.08
Q6803ZC	1/0 AWG CU	140	16-#12	8.59	16.92	18.80	25.75	1376	229	200	0.85	0.08	0.85	0.08	277	0.85	0.08	0.85	0.08
Q6903ZC	2/0 AWG CU	140	20-#12	9.60	17.93	19.81	26.76	1640	229	228	0.68	0.08	0.68	0.07	315	0.68	0.08	0.68	0.07
Q6A03ZC	3/0 AWG CU	140	26-#12	10.82	19.15	21.03	27.98	2000	229	262	0.53	0.07	0.53	0.07	361	0.53	0.07	0.53	0.07
Q6B03ZC	4/0 AWG CU	140	32-#12	12.14	20.47	22.35	29.30	2404	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																			
Q6302ZC	2 SOLID CU	140	9-#16	6.55	14.99	16.87	22.29	738	203	158	0.66	0.15	2.54	0.09	227	0.69	0.34	2.49	0.09
Q6402ZC	2 AWG CU	140	9-#16	6.81	15.14	17.02	22.44	746	203	157	0.67	0.16	2.55	0.09	226	0.70	0.34	2.51	0.09
Q6502ZC	1 SOLID CU	140	11-#16	7.34	15.77	17.65	23.08	854	203	180	0.52	0.15	2.06	0.08	256	0.56	0.33	2.03	0.08
Q6602ZC	1 AWG CU	140	11-#16	7.59	15.93	17.81	23.23	868	203	179	0.53	0.15	2.08	0.08	254	0.57	0.33	2.04	0.08
Q6702ZC	1/0 SOLID CU	140	14-#16	8.26	16.69	18.57	23.99	1010	203	205	0.41	0.14	1.63	0.08	286	0.46	0.31	1.60	0.08
Q6802ZC	1/0 AWG CU	140	14-#16	8.59	16.92	18.80	24.22	1024	203	204	0.42	0.14	1.64	0.08	285	0.47	0.31	1.61	0.08
Q6902ZC	2/0 AWG CU	140	17-#16	9.60	17.93	19.81	25.24	1207	203	232	0.34	0.14	1.34	0.07	317	0.39	0.30	1.32	0.07
Q6A02ZC	3/0 AWG CU	140	21-#16	10.82	19.15	21.03	26.46	1439	229	263	0.27	0.13	1.08	0.07	351	0.33	0.29	1.07	0.07
Q6B02ZC	4/0 AWG CU	140	27-#16	12.14	20.47	22.35	27.78	1737	229	299	0.22	0.13	0.84	0.06	383	0.29	0.27	0.84	0.06
Q6C02ZC	250 MCM CU	140	21-#14	13.28	21.87	23.75	29.85	2075	254	328	0.19	0.13	0.70	0.06	405	0.26	0.25	0.69	0.06
Q6D02ZC	350 MCM CU	140	28-#14	15.72	24.31	26.19	32.29	2726	279	391	0.14	0.12	0.52	0.06	452	0.22	0.22	0.51	0.06
Q6E02ZC	500 MCM CU	140	26-#12	18.77	27.36	29.69	36.64	3815	305	462	0.11	0.11	0.35	0.05	493	0.19	0.18	0.35	0.05
Q6F02XC	750 MCM CU	140	25-#10	24.59	33.43	35.76	45.21	5782	381	542	0.08	0.11	0.23	0.05	554	0.16	0.13	0.23	0.05
Q6G02XC	1000 MCM CU	140	32-#10	28.37	37.21	39.55	49.00	7405	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:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

⁵ 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.

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.

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.

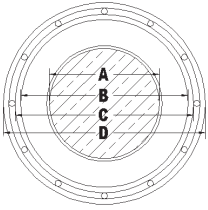
Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



15kV 100% Aluminum



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
				(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
15KV 100% Aluminum Single Phase - Full Neutral																			
Q7L03ZC	2 SOLID AL	175	10-#14	6.55	16.76	18.64	24.74	693	203	123	2.17	0.10	2.17	0.10	169	2.17	0.10	2.17	0.10
Q7M03ZC	2 AWG AL	175	10-#14	6.81	16.92	18.80	24.90	700	203	124	2.20	0.10	2.20	0.10	170	2.20	0.10	2.20	0.10
Q7N03ZC	1 SOLID AL	175	13-#14	7.34	17.55	19.43	25.53	791	229	141	1.70	0.09	1.70	0.09	193	1.70	0.09	1.70	0.09
Q7O03ZC	1 AWG AL	175	13-#14	7.65	17.75	19.63	25.74	801	229	143	1.72	0.09	1.72	0.09	194	1.72	0.09	1.72	0.09
Q7P03ZC	1/0 SOLID AL	175	16-#14	8.26	18.47	20.35	26.45	898	229	160	1.36	0.09	1.36	0.09	219	1.36	0.09	1.36	0.09
Q7Q03ZC	1/0 AWG AL	175	16-#14	8.59	18.69	20.57	26.68	911	229	162	1.38	0.09	1.38	0.09	220	1.38	0.09	1.38	0.09
Q7R03ZC	2/0 AWG AL	175	13-#12	9.60	19.71	21.59	28.54	1095	229	186	1.08	0.08	1.08	0.08	251	1.08	0.08	1.08	0.08
Q7S03ZC	3/0 AWG AL	175	16-#12	10.82	20.93	22.81	29.76	1264	254	212	0.86	0.08	0.86	0.08	284	0.86	0.08	0.86	0.08
Q7T03ZC	4/0 AWG AL	175	20-#12	12.14	22.25	24.13	31.08	1427	254	241	0.69	0.07	0.69	0.07	323	0.69	0.07	0.69	0.07
Q7U03ZC	250 MCM AL	175	23-#12	13.28	23.65	25.53	32.48	1694	279	270	0.56	0.07	0.56	0.07	358	0.56	0.07	0.56	0.07
Q7V03ZC	350 MCM AL	175	33-#12	15.72	26.09	28.42	35.37	2231	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																			
Q7L02ZC	2 SOLID AL	175	6-#16	6.55	16.76	18.64	24.07	569	203	126	1.08	0.17	2.86	0.10	176	1.11	0.34	2.81	0.10
Q7M02ZC	2 AWG AL	175	6-#16	6.81	16.92	18.80	24.22	576	203	126	1.10	0.17	2.88	0.10	176	1.13	0.34	2.84	0.10
Q7N02ZC	1 SOLID AL	175	7-#16	7.34	17.55	19.43	24.86	613	203	143	0.86	0.16	2.64	0.09	200	0.89	0.33	2.59	0.09
Q7O02ZC	1 AWG AL	175	7-#16	7.65	17.75	19.63	25.06	624	203	144	0.87	0.16	2.66	0.09	200	0.90	0.32	2.62	0.09
Q7P02ZC	1/0 SOLID AL	175	9-#16	8.26	18.47	20.35	25.77	678	229	163	0.68	0.15	2.47	0.09	226	0.71	0.32	2.42	0.09
Q7Q02ZC	1/0 AWG AL	175	9-#16	8.59	18.69	20.57	26.00	690	229	163	0.70	0.15	2.49	0.09	226	0.72	0.31	2.45	0.09
Q7R02ZC	2/0 AWG AL	175	11-#16	9.60	19.71	21.59	27.02	777	229	186	0.55	0.15	2.09	0.08	255	0.58	0.30	2.06	0.08
Q7S02ZC	3/0 AWG AL	175	14-#16	10.82	20.93	22.81	28.23	891	229	212	0.44	0.14	1.63	0.08	288	0.48	0.29	1.61	0.08
Q7T02ZC	4/0 AWG AL	175	17-#16	12.14	22.25	24.13	29.56	970	254	241	0.35	0.14	1.33	0.07	322	0.39	0.28	1.31	0.07
Q7U02ZC	250 MCM AL	175	21-#16	13.28	23.65	25.53	30.95	1174	254	264	0.30	0.13	1.12	0.07	346	0.35	0.27	1.11	0.07
Q7V02ZC	350 MCM AL	175	27-#16	15.72	26.09	28.42	33.85	1480	279	319	0.22	0.13	0.81	0.06	401	0.27	0.25	0.80	0.06
Q7W02ZC	500 MCM AL	175	25-#14	18.80	29.16	31.50	37.60	1967	305	385	0.16	0.12	0.57	0.06	453	0.22	0.22	0.57	0.06
Q7X02ZC	750 MCM AL	175	24-#12	23.11	33.73	36.07	44.44	2857	356	469	0.11	0.12	0.39	0.05	508	0.19	0.18	0.38	0.05
Q7Y02ZC	1000 MCM AL	175	31-#12	26.92	37.54	39.88	48.25	3547	406	531	0.09	0.11	0.29	0.05	551	0.16	0.16	0.29	0.05

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

^S 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.

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.

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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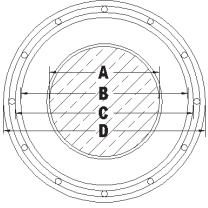
4 Tesseneer Drive, Highland Heights, KY 41076
na.prysmian.com
PDN-0028-1025

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



15kV 100% Copper



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
15KV 100% Copper Single Phase - Full Neutral										90°C In Duct					90°C Direct Buried				
Q6303ZC	2 SOLID CU	140	16-#14	6.55	14.99	16.87	22.97	943	203	154	1.34	0.09	1.34	0.09	215	1.34	0.09	1.34	0.09
Q6403ZC	2 AWG CU	140	16-#14	6.81	15.14	17.02	23.12	951	203	153	1.35	0.09	1.35	0.09	215	1.35	0.09	1.35	0.09
Q6503ZC	1 SOLID CU	140	13-#12	7.34	15.77	17.65	24.60	1152	203	177	1.04	0.08	1.04	0.08	245	1.04	0.08	1.04	0.08
Q6603ZC	1 AWG CU	140	13-#12	7.59	15.93	17.81	24.75	1165	203	176	1.06	0.09	1.06	0.08	244	1.06	0.09	1.06	0.08
Q6703ZC	1/0 SOLID CU	140	16-#12	8.26	16.69	18.57	25.52	1360	229	200	0.84	0.08	0.84	0.08	277	0.84	0.08	0.84	0.08
Q6803ZC	1/0 AWG CU	140	16-#12	8.59	16.92	18.80	25.75	1376	229	200	0.85	0.08	0.85	0.08	277	0.85	0.08	0.85	0.08
Q6903ZC	2/0 AWG CU	140	20-#12	9.60	17.93	19.81	26.76	1640	229	228	0.68	0.08	0.68	0.07	315	0.68	0.08	0.68	0.07
Q6A03ZC	3/0 AWG CU	140	26-#12	10.82	19.15	21.03	27.98	2000	229	262	0.53	0.07	0.53	0.07	361	0.53	0.07	0.53	0.07
Q6B03ZC	4/0 AWG CU	140	32-#12	12.14	20.47	22.35	29.30	2404	254	298	0.42	0.07	0.42	0.07	408	0.42	0.07	0.42	0.07
15KV 100% Copper Three Phase - One-Third Neutral																			
Q6302ZC	2 SOLID CU	140	9-#16	6.55	14.99	16.87	22.29	738	203	158	0.66	0.15	2.54	0.09	227	0.69	0.34	2.49	0.09
Q6402ZC	2 AWG CU	140	9-#16	6.81	15.14	17.02	22.44	746	203	157	0.67	0.16	2.55	0.09	226	0.70	0.34	2.51	0.09
Q6502ZC	1 SOLID CU	140	11-#16	7.34	15.77	17.65	23.08	854	203	180	0.52	0.15	2.06	0.08	256	0.56	0.33	2.03	0.08
Q6602ZC	1 AWG CU	140	11-#16	7.59	15.93	17.81	23.23	868	203	179	0.53	0.15	2.08	0.08	254	0.57	0.33	2.04	0.08
Q6702ZC	1/0 SOLID CU	140	14-#16	8.26	16.69	18.57	23.99	1010	203	205	0.41	0.14	1.63	0.08	286	0.46	0.31	1.60	0.08
Q6802ZC	1/0 AWG CU	140	14-#16	8.59	16.92	18.80	24.22	1024	203	204	0.42	0.14	1.64	0.08	285	0.47	0.31	1.61	0.08
Q6902ZC	2/0 AWG CU	140	17-#16	9.60	17.93	19.81	25.24	1207	203	232	0.34	0.14	1.34	0.07	317	0.39	0.30	1.32	0.07
Q6A02ZC	3/0 AWG CU	140	21-#16	10.82	19.15	21.03	26.46	1439	229	263	0.27	0.13	1.08	0.07	351	0.33	0.29	1.07	0.07
Q6B02ZC	4/0 AWG CU	140	27-#16	12.14	20.47	22.35	27.78	1737	229	299	0.22	0.13	0.84	0.06	383	0.29	0.27	0.84	0.06
Q6C02ZC	250 MCM CU	140	21-#14	13.28	21.87	23.75	29.85	2075	254	328	0.19	0.13	0.70	0.06	405	0.26	0.25	0.69	0.06
Q6D02ZC	350 MCM CU	140	28-#14	15.72	24.31	26.19	32.29	2726	279	391	0.14	0.12	0.52	0.06	452	0.22	0.22	0.51	0.06
Q6E02ZC	500 MCM CU	140	26-#12	18.77	27.36	29.69	36.64	3815	305	462	0.11	0.11	0.35	0.05	493	0.19	0.18	0.35	0.05
Q6F02XC	750 MCM CU	140	25-#10	24.59	33.43	35.76	45.21	5782	381	542	0.08	0.11	0.23	0.05	554	0.16	0.13	0.23	0.05
Q6G02XC	1000 MCM CU	140	32-#10	28.37	37.21	39.55	49.00	7405	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:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

⁵ 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.

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.

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.

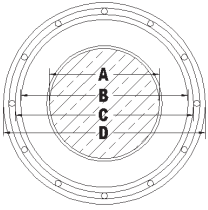
Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



15kV 133% Aluminum



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
				(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
15KV 133% Aluminum Single Phase - Full Neutral																			
Q8L03ZC	2 SOLID AL	220	10-#14	6.55	19.10	20.98	27.08	782	229	123	2.17	0.10	2.17	0.10	169	2.17	0.10	2.17	0.10
Q82M03ZC	2 AWG AL	220	10-#14	6.81	19.25	21.13	27.23	790	229	124	2.20	0.10	2.20	0.10	170	2.20	0.10	2.20	0.10
Q8N03ZC	1 SOLID AL	220	13-#14	7.34	19.89	21.77	27.87	883	229	141	1.70	0.09	1.70	0.09	193	1.70	0.09	1.70	0.09
Q8O03ZC	1 AWG AL	220	13-#14	7.65	20.09	21.97	28.07	894	229	143	1.72	0.09	1.72	0.09	194	1.72	0.09	1.72	0.09
Q8P03ZC	1/0 SOLID AL	220	16-#14	8.26	20.80	22.68	28.78	994	254	160	1.36	0.09	1.36	0.09	219	1.36	0.09	1.36	0.09
Q8Q03ZC	1/0 AWG AL	220	16-#14	8.59	21.03	22.91	29.01	1007	254	162	1.38	0.09	1.38	0.09	220	1.38	0.09	1.38	0.09
Q8R03ZC	2/0 AWG AL	220	13-#12	9.60	22.05	23.93	30.88	1197	254	186	1.08	0.08	1.08	0.08	251	1.08	0.08	1.08	0.08
Q8S03ZC	3/0 AWG AL	220	16-#12	10.82	23.27	25.15	32.10	1371	279	212	0.86	0.08	0.86	0.08	284	0.86	0.08	0.86	0.08
Q8T03ZC	4/0 AWG AL	220	20-#12	12.14	24.59	26.47	33.42	1538	279	241	0.69	0.07	0.69	0.07	323	0.69	0.07	0.69	0.07
Q8U03ZC	250 MCM AL	220	23-#12	13.28	25.98	27.86	34.81	1810	279	270	0.56	0.07	0.56	0.07	358	0.56	0.07	0.56	0.07
Q8V03ZC	350 MCM AL	220	33-#12	15.72	28.42	30.76	37.71	2357	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																			
Q8L02ZC	2 SOLID AL	220	9-#16	6.55	19.10	20.98	26.41	666	229	127	1.08	0.17	3.02	0.11	174	1.11	0.34	2.96	0.11
Q8M02ZC	2 AWG AL	220	9-#16	6.81	19.25	21.13	26.56	674	229	127	1.10	0.17	3.04	0.11	174	1.13	0.34	2.99	0.11
Q8N02ZC	1 SOLID AL	220	9-#16	7.34	19.89	21.77	27.19	713	229	144	0.86	0.17	2.80	0.10	198	0.88	0.33	2.75	0.10
Q8O02ZC	1 AWG AL	220	9-#16	7.65	20.09	21.97	27.40	724	229	145	0.87	0.16	2.82	0.10	198	0.90	0.32	2.77	0.10
Q8P02ZC	1/0 SOLID AL	220	9-#16	8.26	20.80	22.68	28.11	770	229	164	0.68	0.16	2.63	0.10	224	0.70	0.32	2.58	0.10
Q8Q02ZC	1/0 AWG AL	220	10-#16	8.59	21.03	22.91	28.34	793	229	165	0.70	0.16	2.45	0.09	224	0.72	0.31	2.41	0.09
Q8R02ZC	2/0 AWG AL	220	11-#16	9.60	22.05	23.93	29.35	873	254	187	0.55	0.15	2.15	0.09	254	0.58	0.31	2.11	0.09
Q8S02ZC	3/0 AWG AL	220	14-#16	10.82	23.27	25.15	30.57	1075	254	214	0.44	0.14	1.69	0.08	286	0.47	0.29	1.67	0.08
Q8T02ZC	4/0 AWG AL	220	17-#16	12.14	24.59	26.47	31.89	1075	279	243	0.35	0.14	1.39	0.08	320	0.39	0.28	1.37	0.08
Q8U02ZC	250 MCM AL	220	21-#16	13.28	25.98	27.86	33.29	1283	279	266	0.30	0.13	1.13	0.07	345	0.34	0.27	1.12	0.07
Q8V02ZC	350 MCM AL	220	27-#16	15.72	28.42	30.76	36.18	1600	305	321	0.21	0.13	0.87	0.07	401	0.27	0.25	0.86	0.0
Q8W02ZC	500 MCM AL	220	25-#14	18.80	31.50	33.83	39.93	2099	330	387	0.16	0.12	0.58	0.06	454	0.22	0.22	0.58	0.06
Q8X02ZC	750 MCM AL	220	24-#12	23.11	36.07	38.40	46.78	3012	381	471	0.11	0.12	0.39	0.06	511	0.18	0.19	0.39	0.06
Q8Y02ZC	1000 MCM AL	220	31-#12	26.92	39.88	43.08	51.45	3788	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)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

^S 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.

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.

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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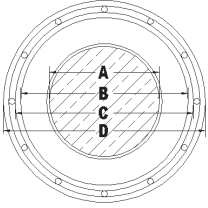
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PDN-0028-1025

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



15kV 133% Copper



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
15KV 133% Copper Single Phase - Full Neutral										90°C In Duct					90°C Direct Buried				
Q8303ZC	2 SOLID CU	220	16-#14	6.55	19.10	20.98	27.08	1096	229	157	1.34	0.10	1.34	0.10	215	1.34	0.10	1.34	0.10
Q8403ZC	2 AWG CU	220	16-#14	6.81	19.25	21.13	27.23	1105	229	158	1.35	0.10	1.35	0.10	217	1.35	0.10	1.35	0.10
Q8503ZC	1 SOLID CU	220	13-#12	7.34	19.89	21.77	28.72	1314	254	181	1.04	0.10	1.04	0.10	245	1.04	0.10	1.04	0.10
Q8603ZC	1 AWG CU	220	13-#12	7.59	20.04	21.92	28.87	1329	254	182	1.06	0.09	1.06	0.09	246	1.06	0.09	1.06	0.09
Q8703ZC	1/0 SOLID CU	220	16-#12	8.26	20.80	22.68	29.63	1528	254	205	0.84	0.09	0.84	0.09	277	0.84	0.09	0.84	0.09
Q8803ZC	1/0 AWG CU	220	16-#12	8.59	21.03	22.91	29.86	1545	254	207	0.85	0.09	0.85	0.09	279	0.85	0.09	0.85	0.09
Q8903ZC	2/0 AWG CU	220	20-#12	9.60	22.05	23.93	30.88	1816	254	237	0.67	0.08	0.67	0.08	317	0.67	0.08	0.67	0.08
Q8A03ZC	3/0 AWG CU	220	26-#12	10.82	23.27	25.15	32.10	2183	279	270	0.53	0.08	0.53	0.08	359	0.53	0.08	0.53	0.08
Q8B03ZC	4/0 AWG CU	220	32-#12	12.14	24.59	26.47	33.42	2595	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																			
Q8302ZC	2 SOLID CU	220	9-#16	6.55	19.10	20.98	26.41	886	229	162	0.66	0.17	2.44	0.10	223	0.69	0.34	2.39	0.10
Q8402ZC	2 AWG CU	220	9-#16	6.81	19.25	21.13	26.56	895	229	162	0.67	0.17	2.45	0.10	224	0.70	0.34	2.41	0.10
Q8502ZC	1 SOLID CU	220	11-#16	7.34	19.89	21.77	27.19	1007	229	184	0.52	0.16	2.05	0.09	252	0.56	0.33	2.01	0.09
Q8602ZC	1 AWG CU	220	11-#16	7.59	20.04	21.92	27.35	1021	229	184	0.53	0.16	2.06	0.09	252	0.57	0.32	2.03	0.09
Q8702ZC	1/0 SOLID CU	220	14-#16	8.26	20.80	22.68	28.11	1168	229	209	0.41	0.15	1.60	0.09	283	0.46	0.32	1.58	0.09
Q8802ZC	1/0 AWG CU	220	14-#16	8.59	21.03	22.91	28.34	1184	229	210	0.42	0.15	1.61	0.09	284	0.46	0.31	1.59	0.09
Q8902ZC	2/0 AWG CU	220	17-#16	9.60	22.05	23.93	29.35	1373	254	238	0.34	0.15	1.31	0.08	317	0.39	0.30	1.29	0.08
Q8A02ZC	3/0 AWG CU	220	21-#16	10.82	23.27	25.15	30.57	1612	254	271	0.27	0.14	1.04	0.08	351	0.33	0.28	1.02	0.08
Q8B02ZC	4/0 AWG CU	220	27-#16	12.14	24.59	26.47	31.89	1918	279	307	0.22	0.13	0.81	0.07	385	0.28	0.26	0.80	0.07
Q8C02ZC	250 MCM CU	220	21-#14	13.28	25.98	27.86	33.96	2269	279	336	0.19	0.13	0.70	0.07	409	0.26	0.25	0.69	0.07
Q8D02ZC	350 MCM CU	220	28-#14	15.72	28.42	30.76	36.86	2963	305	400	0.14	0.13	0.50	0.06	457	0.22	0.22	0.50	0.06
Q8E02ZC	500 MCM CU	220	26-#12	18.77	31.47	33.81	40.76	4051	330	471	0.11	0.12	0.34	0.06	501	0.19	0.18	0.34	0.06
Q8F02XC	750 MCM CU	220	25-#10	24.59	37.54	39.88	49.33	6069	406	550	0.08	0.11	0.24	0.05	557	0.15	0.14	0.24	0.05
Q8G02XC	1000 MCM CU	220	32-#10	28.37	41.33	44.53	53.98	7795	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)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

⁵ 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.

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.

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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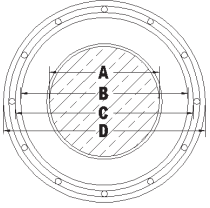
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5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



25kV 100% Aluminum



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
										90°C In Duct					90°C Direct Buried				
25kV 100% Aluminum Single Phase - Full Neutral																			
Q9N03ZC	1 SOLID AL	260	13-#14	7.34	21.97	23.85	29.95	972	254	145	1.70	0.11	1.70	0.11	192	1.70	0.11	1.70	0.11
Q9O03ZC	1 AWG AL	260	13-#14	7.65	22.17	24.05	30.15	983	254	146	1.72	0.10	1.72	0.11	194	1.72	0.10	1.72	0.11
Q9P03ZC	1/0 SOLID AL	260	16-#14	8.26	22.89	24.77	30.87	1085	254	165	1.36	0.10	1.36	0.10	218	1.36	0.10	1.36	0.10
Q9Q03ZC	1/0 AWG AL	260	16-#14	8.59	23.11	24.99	31.09	1099	254	166	1.38	0.10	1.38	0.10	219	1.38	0.10	1.38	0.10
Q9R03ZC	2/0 AWG AL	260	13-#12	9.60	24.13	26.01	32.96	1295	279	190	1.08	0.09	1.08	0.10	250	1.08	0.09	1.08	0.10
Q9S03ZC	3/0 AWG AL	260	16-#12	10.82	25.35	27.23	34.18	1472	279	217	0.86	0.09	0.86	0.09	283	0.86	0.09	0.86	0.09
Q9T03ZC	4/0 AWG AL	260	20-#12	12.14	26.67	29.01	35.96	1672	305	247	0.69	0.09	0.69	0.09	322	0.69	0.09	0.69	0.09
Q9U03ZC	250 MCM AL	260	23-#12	13.28	28.07	30.40	37.35	1949	305	276	0.56	0.08	0.56	0.08	356	0.56	0.08	0.56	0.08
Q9V03ZC	350 MCM AL	260	33-#12	15.72	30.51	32.84	39.79	2477	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																			
Q9N02ZC	1 SOLID AL	260	10-#16	7.34	21.97	23.85	29.28	810	254	146	0.86	0.17	2.63	0.11	196	0.88	0.33	2.53	0.11
Q9O02ZC	1 AWG AL	260	10-#16	7.65	22.17	24.05	29.48	821	254	146	0.87	0.17	2.62	0.10	197	0.90	0.32	2.57	0.10
Q9P02ZC	1/0 SOLID AL	260	10-#16	8.26	22.89	24.77	30.19	869	254	166	0.68	0.16	2.43	0.10	223	0.71	0.32	2.38	0.10
Q9Q02ZC	1/0 AWG AL	260	10-#16	8.59	23.11	24.99	30.42	883	254	166	0.70	0.16	2.45	0.10	223	0.72	0.31	2.40	0.10
Q9R02ZC	2/0 AWG AL	260	11-#16	9.60	24.13	26.01	31.44	965	254	189	0.55	0.16	2.15	0.09	252	0.58	0.31	2.11	0.09
Q9S02ZC	3/0 AWG AL	260	14-#16	10.82	25.35	27.23	32.65	1087	279	215	0.44	0.15	1.69	0.09	284	0.47	0.29	1.66	0.09
Q9T02ZC	4/0 AWG AL	260	17-#16	12.14	26.67	29.01	34.43	1205	279	244	0.35	0.15	1.38	0.08	318	0.39	0.28	1.36	0.08
Q9U02ZC	250 MCM AL	260	21-#16	13.28	28.07	30.40	35.83	1419	305	268	0.30	0.14	1.13	0.08	344	0.34	0.27	1.12	0.08
Q9V02ZC	350 MCM AL	260	27-#16	15.72	30.51	32.84	38.27	1713	330	322	0.21	0.13	0.86	0.07	400	0.27	0.25	0.85	0.07
Q9W02ZC	500 MCM AL	260	25-#14	18.80	33.58	35.92	43.44	2302	356	389	0.16	0.13	0.58	0.07	453	0.22	0.23	0.58	0.07
Q9X02ZC	750 MCM AL	260	24-#12	23.11	38.15	40.49	48.86	3157	406	473	0.11	0.12	0.39	0.06	514	0.18	0.19	0.39	0.06
Q9Y02ZC	1000 MCM AL	260	31-#12	26.92	41.96	45.16	53.53	3947	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:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

^S 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.

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.

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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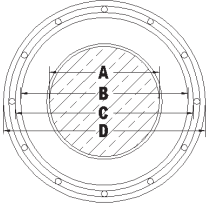
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5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



25kV 100% Copper



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
25KV 100% Copper Single Phase - Full Neutral										90°C In Duct					90°C Direct Buried				
Q9503ZC	1 SOLID CU	260	13-#12	7.34	21.97	23.85	30.80	1405	254	186	1.04	0.11	1.04	0.11	245	1.04	0.11	1.04	0.11
Q9603ZC	1 AWG CU	260	13-#12	7.59	22.12	24.00	30.95	1421	254	187	1.06	0.11	1.06	0.11	246	1.06	0.11	1.06	0.11
Q9703ZC	1/0 SOLID CU	260	16-#12	8.26	22.89	24.77	31.71	1623	254	210	0.84	0.10	0.84	0.10	277	0.84	0.10	0.84	0.10
Q9803ZC	1/0 AWG CU	260	16-#12	8.59	23.11	24.99	31.94	1640	279	212	0.85	0.10	0.85	0.10	279	0.85	0.10	0.85	0.10
Q9903ZC	2/0 AWG CU	260	20-#12	9.60	24.13	26.01	32.96	1914	279	243	0.67	0.10	0.67	0.10	317	0.67	0.10	0.67	0.10
Q9A03ZC	3/0 AWG CU	260	26-#12	10.82	25.35	27.23	34.18	2285	279	276	0.53	0.09	0.53	0.09	359	0.53	0.09	0.53	0.09
Q9B03ZC	4/0 AWG CU	260	32-#12	12.14	26.67	29.01	35.96	2729	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																			
Q9502ZC	1 SOLID CU	260	11-#16	7.34	21.97	23.85	29.28	1094	254	187	0.52	0.17	2.04	0.11	249	0.55	0.33	2.00	0.11
Q9602ZC	1 AWG CU	260	11-#16	7.59	22.12	24.00	29.43	1108	254	187	0.53	0.17	2.05	0.11	249	0.56	0.32	2.01	0.11
Q9702ZC	1/0 SOLID CU	260	14-#16	8.26	22.89	24.77	30.19	1257	254	213	0.41	0.17	1.60	0.10	280	0.45	0.32	1.57	0.10
Q9802ZC	1/0 AWG CU	260	14-#16	8.59	23.11	24.99	30.42	1274	254	213	0.42	0.16	1.61	0.10	281	0.46	0.31	1.58	0.10
Q9902ZC	2/0 AWG CU	260	17-#16	9.60	24.13	26.01	31.44	1466	254	242	0.34	0.16	1.31	0.09	314	0.38	0.30	1.29	0.09
Q9A02ZC	3/0 AWG CU	260	21-#16	10.82	25.35	27.23	32.65	1709	279	275	0.27	0.15	1.03	0.09	349	0.32	0.28	1.02	0.09
Q9B02ZC	4/0 AWG CU	260	27-#16	12.14	26.67	29.01	34.43	2046	279	311	0.22	0.15	0.81	0.08	384	0.28	0.27	0.80	0.08
Q9C02ZC	250 MCM CU	260	21-#14	13.28	28.07	30.40	36.50	2405	305	341	0.19	0.14	0.69	0.08	410	0.25	0.26	0.69	0.08
Q9D02ZC	350 MCM CU	260	28-#14	15.72	30.51	32.84	38.94	3080	330	405	0.14	0.13	0.50	0.07	460	0.21	0.23	0.50	0.07
Q9E02ZC	500 MCM CU	260	26-#12	18.77	33.55	35.89	44.26	4269	356	475	0.11	0.13	0.34	0.07	504	0.18	0.19	0.34	0.07
Q9F02XC	750 MCM CU	260	25-#10	24.59	39.62	42.82	52.27	6301	432	557	0.08	0.12	0.24	0.06	566	0.15	0.15	0.24	0.06
Q9G02XC	1000 MCM CU	260	32-#10	28.37	43.41	46.61	56.06	7964	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:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

⁵ 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.

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.

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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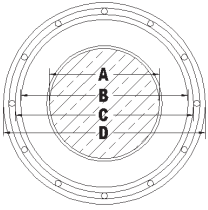
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PDN-0028-1025

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



25kV 133% Aluminum



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
										90°C In Duct					90°C Direct Buried				
25kV 133% Aluminum Single Phase - Full Neutral																			
QAN03ZC	1 SOLID AL	320	13-#14	7.34	25.12	27.00	33.10	1118	279	145	1.70	0.11	1.70	0.11	192	1.70	0.11	1.70	0.11
QAO03ZC	1 AWG AL	320	13-#14	7.65	25.32	27.20	33.30	1130	279	146	1.72	0.10	1.72	0.11	194	1.72	0.10	1.72	0.11
QAP03ZC	1/0 SOLID AL	320	16-#14	8.26	26.04	27.91	34.02	1235	279	165	1.36	0.10	1.36	0.10	218	1.36	0.10	1.36	0.10
QAQ03ZC	1/0 AWG AL	320	16-#14	8.59	26.26	28.60	34.70	1278	279	166	1.38	0.10	1.38	0.10	219	1.38	0.10	1.38	0.10
QAR03ZC	2/0 AWG AL	320	13-#12	9.60	27.28	29.62	36.57	1484	305	190	1.08	0.09	1.08	0.10	250	1.08	0.09	1.08	0.10
QAS03ZC	3/0 AWG AL	320	16-#12	10.82	28.50	30.84	37.79	1668	305	217	0.86	0.09	0.86	0.09	283	0.86	0.09	0.86	0.09
QAT03ZC	4/0 AWG AL	320	20-#12	12.14	29.82	32.16	39.11	1846	330	247	0.69	0.09	0.69	0.09	322	0.69	0.09	0.69	0.09
QAU03ZC	250 MCM AL	320	23-#12	13.28	31.22	33.55	40.50	2130	330	276	0.56	0.08	0.56	0.08	356	0.56	0.08	0.56	0.08
QAV03ZC	350 MCM AL	320	33-#12	15.72	33.66	35.99	44.36	2759	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																			
QAN02ZC	1 SOLID AL	320	11-#16	7.34	25.12	27.00	32.43	962	279	147	0.86	0.18	2.44	0.12	194	0.88	0.33	2.39	0.12
QAO02ZC	1 AWG AL	320	11-#16	7.65	25.32	27.20	32.63	975	279	147	0.87	0.17	2.45	0.11	195	0.90	0.32	2.41	0.11
QAP02ZC	1/0 SOLID AL	320	11-#16	8.26	26.04	27.91	33.34	1026	279	167	0.68	0.17	2.26	0.11	220	0.71	0.32	2.22	0.11
QAQ02ZC	1/0 AWG AL	320	12-#16	8.59	26.26	28.60	34.03	1081	279	168	0.70	0.17	2.15	0.11	220	0.70	0.31	2.11	0.11
QAR02ZC	2/0 AWG AL	320	12-#16	9.60	27.28	29.62	35.04	1158	305	191	0.55	0.16	2.30	0.10	250	0.57	0.31	2.25	0.10
QAS02ZC	3/0 AWG AL	320	14-#16	10.82	28.50	30.84	36.26	1276	305	217	0.44	0.16	1.68	0.10	282	0.47	0.30	1.65	0.10
QAT02ZC	4/0 AWG AL	320	17-#16	12.14	29.82	32.16	37.58	1370	305	246	0.35	0.15	1.38	0.09	316	0.38	0.28	1.36	0.09
QAU02ZC	250 MCM AL	320	21-#16	13.28	31.22	33.55	38.98	1591	330	270	0.30	0.15	1.13	0.09	342	0.34	0.27	1.11	0.09
QAV02ZC	350 MCM AL	320	27-#16	15.72	33.66	35.99	41.42	1896	356	324	0.21	0.14	0.86	0.08	399	0.26	0.26	0.85	0.08
QAW02ZC	500 MCM AL	320	25-#14	18.80	36.73	39.07	46.59	2509	381	391	0.16	0.13	0.58	0.07	453	0.22	0.23	0.57	0.07
QAX02ZC	750 MCM AL	320	24-#12	23.11	41.30	44.50	52.87	3462	432	476	0.11	0.13	0.39	0.07	517	0.18	0.19	0.39	0.07
QAY02ZC	1000 MCM AL	320	31-#12	26.92	45.11	48.31	56.68	4200	457	538	0.09	0.12	0.30	0.06	561	0.15	0.17	0.30	0.06

PRODUCT NOTES:

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

^S 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.

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.

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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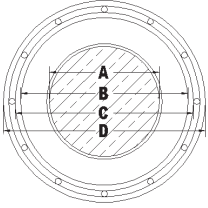
4 Tesseneer Drive, Highland Heights, KY 41076
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5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



25kV 133% Copper



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
25KV 133% Copper Single Phase - Full Neutral										90°C In Duct					90°C Direct Buried				
QA503ZC	1 SOLID CU	320	13-#12	7.34	25.12	27.00	33.95	1556	279	186	1.04	0.11	1.04	0.11	245	1.04	0.11	1.04	0.11
QA603ZC	1 AWG CU	320	13-#12	7.59	25.27	27.15	34.10	1571	279	187	1.06	0.11	1.06	0.11	246	1.06	0.11	1.06	0.11
QA703ZC	1/0 SOLID CU	320	16-#12	8.26	26.04	27.91	34.86	1777	279	210	0.84	0.10	0.84	0.10	277	0.84	0.10	0.84	0.10
QA803ZC	1/0 AWG CU	320	16-#12	8.59	26.26	28.60	35.55	1824	305	212	0.85	0.10	0.85	0.10	279	0.85	0.10	0.85	0.10
QA903ZC	2/0 AWG CU	320	20-#12	9.60	27.28	29.62	36.57	2103	305	243	0.67	0.10	0.67	0.10	317	0.67	0.10	0.67	0.10
QAA03ZC	3/0 AWG CU	320	26-#12	10.82	28.50	30.84	37.79	2481	305	276	0.53	0.09	0.53	0.09	359	0.53	0.09	0.53	0.09
QAB03ZC	4/0 AWG CU	320	32-#12	12.14	29.82	32.16	39.11	2904	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																			
QA502ZC	1 SOLID CU	320	11-#16	7.34	25.12	27.00	32.43	1237	279	187	0.52	0.17	2.04	0.11	249	0.55	0.33	2.00	0.11
QA602ZC	1 AWG CU	320	11-#16	7.59	25.27	27.15	32.58	1252	279	187	0.53	0.17	2.05	0.11	249	0.56	0.32	2.01	0.11
QA702ZC	1/0 SOLID CU	320	14-#16	8.26	26.04	27.91	33.34	1404	279	213	0.41	0.17	1.60	0.10	280	0.45	0.32	1.57	0.10
QA802ZC	1/0 AWG CU	320	14-#16	8.59	26.26	28.60	34.03	1449	279	213	0.42	0.16	1.61	0.10	281	0.46	0.31	1.58	0.10
QA902ZC	2/0 AWG CU	320	17-#16	9.60	27.28	29.62	35.04	1646	305	242	0.34	0.16	1.31	0.09	314	0.38	0.30	1.29	0.09
QAA02ZC	3/0 AWG CU	320	21-#16	10.82	28.50	30.84	36.26	1896	305	275	0.27	0.15	1.03	0.09	349	0.32	0.28	1.02	0.09
QAB02ZC	4/0 AWG CU	320	27-#16	12.14	29.82	32.16	37.58	2213	305	311	0.22	0.15	0.81	0.08	384	0.28	0.27	0.80	0.08
QAC02ZC	250 MCM CU	320	21-#14	13.28	31.22	33.55	39.65	2582	330	341	0.19	0.14	0.69	0.08	410	0.25	0.26	0.69	0.08
QAD02ZC	350 MCM CU	320	28-#14	15.72	33.66	35.99	43.52	3356	356	405	0.14	0.13	0.50	0.07	460	0.21	0.23	0.50	0.07
QAE02ZC	500 MCM CU	320	26-#12	18.77	36.70	39.04	47.41	4481	381	475	0.11	0.13	0.34	0.07	504	0.18	0.19	0.34	0.07
QAF02XC	750 MCM CU	320	25-#10	24.59	42.77	45.97	55.42	6551	457	557	0.08	0.12	0.24	0.06	566	0.15	0.15	0.24	0.06
QAG02XC	1000 MCM CU	320	32-#10	28.37	46.56	49.76	59.21	8231	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)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

⁵ 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.

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.

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.

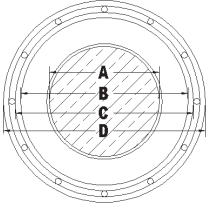
Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



28kV 100% Aluminum



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
										90°C In Duct					90°C Direct Buried				
28kV 100% Aluminum Single Phase - Full Neutral																			
QVN03ZC	1 SOLID AL	280	13-#14	7.34	23.04	24.92	31.02	1019	254	146	1.70	0.11	1.70	0.11	192	1.70	0.11	1.70	0.11
QVO03ZC	1 AWG AL	280	13-#14	7.65	23.24	25.12	31.22	1031	254	146	1.72	0.11	1.72	0.11	192	1.72	0.11	1.72	0.11
QVP03ZC	1/0 SOLID AL	280	16-#14	8.26	23.95	25.83	31.93	1134	279	165	1.36	0.10	1.36	0.11	218	1.36	0.10	1.36	0.11
QVQ03ZC	1/0 AWG AL	280	16-#14	8.59	24.18	26.06	32.16	1149	279	165	1.38	0.10	1.38	0.11	217	1.38	0.10	1.38	0.11
QVR03ZC	2/0 AWG AL	280	13-#12	9.60	25.20	27.08	34.03	1348	279	189	1.08	0.10	1.08	0.10	247	1.08	0.10	1.08	0.10
QVS03ZC	3/0 AWG AL	280	16-#12	10.82	26.42	28.75	35.70	1555	305	216	0.86	0.10	0.86	0.10	281	0.86	0.10	0.86	0.10
QVT03ZC	4/0 AWG AL	280	20-#12	12.14	27.74	30.07	37.02	1729	305	245	0.69	0.09	0.69	0.09	319	0.69	0.09	0.69	0.09
QVU03ZC	250 MCM AL	280	23-#12	13.28	29.13	31.47	38.42	2009	330	268	0.59	0.09	0.59	0.09	348	0.59	0.09	0.59	0.09
QVV03ZC	350 MCM AL	280	33-#12	15.72	31.57	33.91	40.86	2540	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																			
QVN02ZC	1 SOLID AL	280	10-#16	7.34	23.04	24.92	30.34	856	254	146	0.86	0.17	2.53	0.11	195	0.88	0.33	2.48	0.11
QVO02ZC	1 AWG AL	280	10-#16	7.65	23.24	25.12	30.55	868	254	145	0.87	0.17	2.55	0.11	194	0.89	0.33	2.50	0.11
QVP02ZC	1/0 SOLID AL	280	11-#16	8.26	23.95	25.83	31.26	928	254	166	0.68	0.17	2.20	0.11	221	0.71	0.32	2.16	0.11
QVQ02ZC	1/0 AWG AL	280	11-#16	8.59	24.18	26.06	31.49	942	254	165	0.70	0.17	2.22	0.11	220	0.73	0.32	2.18	0.11
QVR02ZC	2/0 AWG AL	280	11-#16	9.60	25.20	27.08	32.50	1014	279	188	0.55	0.16	2.08	0.10	249	0.58	0.31	2.04	0.10
QVS02ZC	3/0 AWG AL	280	14-#16	10.82	26.42	28.75	34.18	1168	279	214	0.44	0.16	1.64	0.10	281	0.47	0.30	1.61	0.10
QVT02ZC	4/0 AWG AL	280	17-#16	12.14	27.74	30.07	35.50	1259	305	243	0.35	0.15	1.34	0.09	314	0.39	0.29	1.32	0.09
QVU02ZC	250 MCM AL	280	21-#16	13.28	29.13	31.47	36.90	1475	305	266	0.30	0.15	1.10	0.09	340	0.34	0.28	1.08	0.09
QVV02ZC	350 MCM AL	280	27-#16	15.72	31.57	33.91	39.33	1773	330	320	0.21	0.14	0.84	0.08	395	0.27	0.26	0.83	0.08
QVW02ZC	500 MCM AL	280	25-#14	18.80	34.65	36.98	44.51	2371	381	386	0.16	0.13	0.58	0.07	449	0.22	0.23	0.57	0.07
QVX02ZC	750 MCM AL	280	24-#12	23.11	39.22	42.42	50.79	3305	406	470	0.11	0.13	0.38	0.07	509	0.18	0.19	0.38	0.07
QVY02ZC	1000 MCM AL	280	31-#12	26.92	43.03	46.23	54.60	4031	457	531	0.09	0.12	0.29	0.06	552	0.16	0.17	0.29	0.06

PRODUCT NOTES:

† Ampacities are based on the following:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

⁵ 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.

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.

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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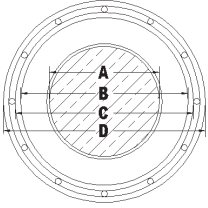
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PDN-0028-1025

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



28kV 100% Copper



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
28kV 100% Copper Single Phase - Full Neutral										90°C In Duct					90°C Direct Buried				
QV503ZC	1 SOLID CU	280	13-#12	7.34	23.04	24.92	31.87	1455	279	187	1.04	0.11	1.04	0.11	244	1.04	0.11	1.04	0.11
QV603ZC	1 AWG CU	280	13-#12	7.59	23.19	25.07	32.02	1470	279	186	1.06	0.11	1.06	0.11	244	1.06	0.11	1.06	0.11
QV703ZC	1/0 SOLID CU	280	16-#12	8.26	23.95	25.83	32.78	1673	279	211	0.84	0.11	0.84	0.11	277	0.84	0.11	0.84	0.11
QV803ZC	1/0 AWG CU	280	16-#12	8.59	24.18	26.06	33.01	1691	279	211	0.85	0.11	0.85	0.11	276	0.85	0.11	0.85	0.11
QV903ZC	2/0 AWG CU	280	20-#12	9.60	25.20	27.08	34.03	1966	279	240	0.68	0.10	0.68	0.10	314	0.68	0.10	0.68	0.10
QVA03ZC	3/0 AWG CU	280	26-#12	10.82	26.42	28.75	35.70	2368	305	276	0.53	0.10	0.53	0.10	359	0.53	0.10	0.53	0.10
QVB03ZC	4/0 AWG CU	280	32-#12	12.14	27.74	30.07	37.02	2787	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																			
QV502ZC	1 SOLID CU	280	11-#16	7.34	23.04	24.92	30.34	1140	254	188	0.52	0.17	2.04	0.11	249	0.55	0.33	2.00	0.11
QV602ZC	1 AWG CU	280	11-#16	7.59	23.19	25.07	30.50	1155	254	186	0.53	0.17	2.06	0.11	247	0.56	0.33	2.01	0.11
QV702ZC	1/0 SOLID CU	280	14-#16	8.26	23.95	25.83	31.26	1305	254	213	0.41	0.17	1.61	0.11	280	0.45	0.32	1.58	0.11
QV802ZC	1/0 AWG CU	280	14-#16	8.59	24.18	26.06	31.49	1323	254	212	0.42	0.17	1.62	0.11	278	0.46	0.32	1.59	0.11
QV902ZC	2/0 AWG CU	280	17-#16	9.60	25.20	27.08	32.50	1516	279	240	0.34	0.16	1.32	0.10	312	0.38	0.30	1.30	0.10
QVA02ZC	3/0 AWG CU	280	21-#16	10.82	26.42	28.75	34.18	1788	279	273	0.27	0.16	1.07	0.10	347	0.32	0.29	1.05	0.10
QVB02ZC	4/0 AWG CU	280	27-#16	12.14	27.74	30.07	35.50	2101	305	309	0.22	0.15	0.84	0.09	382	0.27	0.28	0.83	0.09
QVC02ZC	250 MCM CU	280	21-#14	13.28	29.13	31.47	37.57	2463	305	338	0.19	0.15	0.69	0.09	407	0.25	0.26	0.68	0.09
QVD02ZC	350 MCM CU	280	28-#14	15.72	31.57	33.91	40.01	3142	330	402	0.14	0.14	0.51	0.08	458	0.21	0.23	0.51	0.08
QVE02ZC	500 MCM CU	280	26-#12	18.77	34.62	36.96	45.33	4339	381	473	0.11	0.13	0.35	0.07	502	0.18	0.19	0.35	0.07
QVF02XC	750 MCM CU	280	25-#10	24.59	40.69	43.89	53.34	6384	432	557	0.08	0.12	0.23	0.07	568	0.15	0.15	0.23	0.07
QVG02XC	1000 MCM CU	280	32-#10	28.37	44.48	47.68	57.12	8052	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)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

⁵ 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.

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.

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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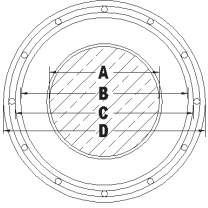
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5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



28kV 133% Aluminum



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
				(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
28kV 133% Aluminum Single Phase - Full Neutral																			
QBP03ZC	1/0 SOLID AL	345	16-#14	8.26	27.41	29.74	35.84	1334	305	165	1.36	0.10	1.36	0.11	218	1.36	0.10	1.36	0.11
QBQ03ZC	1/0 AWG AL	345	16-#14	8.59	27.64	29.97	36.07	1349	305	165	1.38	0.10	1.38	0.11	217	1.38	0.10	1.38	0.11
QBR03ZC	2/0 AWG AL	345	13-#12	9.60	28.65	30.99	37.94	1560	305	189	1.08	0.10	1.08	0.10	247	1.08	0.10	1.08	0.10
QBS03ZC	3/0 AWG AL	345	16-#12	10.82	29.87	32.21	39.16	1746	330	216	0.86	0.10	0.86	0.10	281	0.86	0.10	0.86	0.10
QBT03ZC	4/0 AWG AL	345	20-#12	12.14	31.19	33.53	40.48	1926	330	245	0.69	0.09	0.69	0.09	319	0.69	0.09	0.69	0.09
QBU03ZC	250 MCM AL	345	23-#12	13.28	32.59	34.93	41.87	2213	356	268	0.59	0.09	0.59	0.09	348	0.59	0.09	0.59	0.09
QBV03ZC	350 MCM AL	345	33-#12	15.72	35.03	37.36	45.74	2850	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																			
QBP02ZC	1/0 SOLID AL	345	12-#16	8.26	27.41	29.74	35.17	1136	305	168	0.68	0.18	2.07	0.12	219	0.71	0.32	2.03	0.12
QBQ02ZC	1/0 AWG AL	345	12-#16	8.59	27.64	29.97	35.40	1151	305	167	0.70	0.18	2.09	0.12	217	0.73	0.32	2.05	0.12
QBR02ZC	2/0 AWG AL	345	13-#16	9.60	28.65	30.99	36.41	1240	305	190	0.55	0.17	1.84	0.11	246	0.58	0.31	1.80	0.11
QBS02ZC	3/0 AWG AL	345	14-#16	10.82	29.87	32.21	37.63	1350	305	216	0.44	0.16	1.63	0.10	279	0.47	0.27	1.60	0.10
QBT02ZC	4/0 AWG AL	345	17-#16	12.14	31.19	33.53	38.95	1447	330	245	0.35	0.16	1.33	0.10	312	0.39	0.29	1.31	0.10
QBU02ZC	250 MCM AL	345	21-#16	13.28	32.59	34.93	40.35	1670	330	268	0.30	0.15	1.09	0.09	338	0.34	0.28	1.08	0.09
QBV02ZC	350 MCM AL	345	27-#16	15.72	35.03	37.36	44.21	2060	356	322	0.22	0.15	0.83	0.09	392	0.26	0.26	0.82	0.09
QBW02ZC	500 MCM AL	345	25-#14	18.80	38.10	40.44	47.96	2603	406	388	0.16	0.14	0.58	0.08	449	0.22	0.23	0.57	0.08
QBX02ZC	750 MCM AL	345	24-#12	23.11	42.67	45.87	54.24	3569	457	472	0.11	0.13	0.38	0.07	512	0.18	0.20	0.38	0.07
QBY02ZC	1000 MCM AL	345	31-#12	26.92	46.48	49.68	58.05	4315	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:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

^S 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.

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.

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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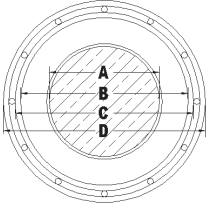
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PDN-0028-1025

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



28kV 133% Copper



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
										90°C In Duct					90°C Direct Buried				
28kV 133% Copper Single Phase - Full Neutral																			
QB703ZC	1/0 SOLID CU	345	16-#12	8.26	27.41	29.74	36.69	1878	305	211	0.84	0.11	0.84	0.11	277	0.84	0.11	0.84	0.11
QB803ZC	1/0 AWG CU	345	16-#12	8.59	27.64	29.97	36.92	1897	305	211	0.85	0.11	0.85	0.11	276	0.85	0.11	0.85	0.11
QB903ZC	2/0 AWG CU	345	20-#12	9.60	28.65	30.99	37.94	2178	305	240	0.68	0.10	0.68	0.10	314	0.68	0.10	0.68	0.10
QBA03ZC	3/0 AWG CU	345	26-#12	10.82	29.87	32.21	39.16	2558	330	276	0.53	0.10	0.53	0.10	359	0.53	0.10	0.53	0.10
QBB03ZC	4/0 AWG CU	345	32-#12	12.14	31.19	33.53	40.48	2984	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																			
QB702ZC	1/0 SOLID CU	345	14-#16	8.26	27.41	29.74	35.17	1501	305	213	0.41	0.17	1.61	0.11	280	0.45	0.32	1.58	0.11
QB802ZC	1/0 AWG CU	345	14-#16	8.59	27.64	29.97	35.40	1519	305	212	0.42	0.17	1.62	0.11	278	0.46	0.32	1.59	0.11
QB902ZC	2/0 AWG CU	345	17-#16	9.60	28.65	30.99	36.41	1718	305	240	0.34	0.16	1.32	0.10	312	0.38	0.30	1.30	0.10
QBA02ZC	3/0 AWG CU	345	21-#16	10.82	29.87	32.21	37.63	1971	305	273	0.27	0.16	1.07	0.10	347	0.32	0.29	1.05	0.10
QBB02ZC	4/0 AWG CU	345	27-#16	12.14	31.19	33.53	38.95	2290	330	309	0.22	0.15	0.84	0.09	382	0.27	0.28	0.83	0.09
QBC02ZC	250 MCM CU	345	21-#14	13.28	32.59	34.93	41.03	2663	330	338	0.19	0.15	0.69	0.09	407	0.25	0.26	0.68	0.09
QBD02ZC	350 MCM CU	345	28-#14	15.72	35.03	37.36	44.89	3445	381	402	0.14	0.14	0.51	0.08	458	0.21	0.23	0.51	0.08
QBE02ZC	500 MCM CU	345	26-#12	18.77	38.07	40.41	48.78	4578	406	473	0.11	0.13	0.35	0.07	502	0.18	0.19	0.35	0.07
QBF02XC	750 MCM CU	345	25-#10	24.59	44.15	47.35	56.79	6664	457	557	0.08	0.12	0.23	0.07	568	0.15	0.15	0.23	0.07
QBG02XC	1000 MCM CU	345	32-#10	28.37	47.93	51.13	60.58	8352	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)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

⁵ 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.

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.

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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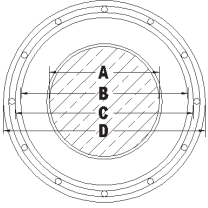
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5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



35kV 100% Aluminum



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
35KV 100% Aluminum Single Phase - Full Neutral										90°C In Duct					90°C Direct Buried				
QBP03ZC	1/0 SOLID AL	345	16-#14	8.26	27.41	29.74	35.84	1334	305	168	1.36	0.11	1.36	0.12	217	1.36	0.11	1.36	0.12
QBQ03ZC	1/0 AWG AL	345	16-#14	8.59	27.64	29.97	36.07	1349	305	169	1.38	0.11	1.38	0.11	218	1.38	0.11	1.38	0.11
QBR03ZC	2/0 AWG AL	345	13-#12	9.60	28.65	30.99	37.94	1560	305	194	1.08	0.10	1.08	0.11	249	1.08	0.10	1.08	0.11
QBS03ZC	3/0 AWG AL	345	16-#12	10.82	29.87	32.21	39.16	1746	330	220	0.86	0.10	0.86	0.10	283	0.86	0.10	0.86	0.10
QBT03ZC	4/0 AWG AL	345	20-#12	12.14	31.19	33.53	40.48	1926	330	250	0.69	0.10	0.69	0.10	321	0.69	0.10	0.69	0.10
QBU03ZC	250 MCM AL	345	23-#12	13.28	32.59	34.93	41.87	2213	356	280	0.56	0.09	0.56	0.09	353	0.56	0.09	0.56	0.09
QBV03ZC	350 MCM AL	345	33-#12	15.72	35.03	37.36	45.74	2850	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																			
QBP02ZC	1/0 SOLID AL	345	12-#16	8.26	27.41	29.74	35.17	1136	305	168	0.68	0.18	2.07	0.12	219	0.71	0.32	2.03	0.12
QBQ02ZC	1/0 AWG AL	345	12-#16	8.59	27.64	29.97	35.40	1151	305	167	0.70	0.18	2.09	0.12	217	0.73	0.32	2.05	0.12
QBR02ZC	2/0 AWG AL	345	13-#16	9.60	28.65	30.99	36.41	1240	305	190	0.55	0.17	1.84	0.11	246	0.58	0.31	1.80	0.11
QBS02ZC	3/0 AWG AL	345	14-#16	10.82	29.87	32.21	37.63	1350	305	216	0.44	0.16	1.63	0.10	279	0.47	0.27	1.60	0.10
QBT02ZC	4/0 AWG AL	345	17-#16	12.14	31.19	33.53	38.95	1447	330	245	0.35	0.16	1.33	0.10	312	0.39	0.29	1.31	0.10
QBU02ZC	250 MCM AL	345	21-#16	13.28	32.59	34.93	40.35	1670	330	268	0.30	0.15	1.09	0.09	338	0.34	0.28	1.08	0.09
QBV02ZC	350 MCM AL	345	27-#16	15.72	35.03	37.36	44.21	2060	356	322	0.22	0.15	0.83	0.09	393	0.26	0.26	0.82	0.09
QBW02ZC	500 MCM AL	345	25-#14	18.80	38.10	40.44	47.96	2603	406	388	0.16	0.14	0.58	0.08	449	0.22	0.23	0.57	0.08
QBX02ZC	750 MCM AL	345	24-#12	23.11	42.67	45.87	54.24	3569	457	472	0.11	0.13	0.38	0.07	512	0.18	0.20	0.38	0.07
QBY02ZC	1000 MCM AL	345	31-#12	26.92	46.48	49.68	58.05	4315	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:
Single Phase Operation (Full Neutral Design)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

^S 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.

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.

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.

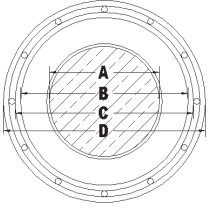
Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



35kV 100% Copper



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
										90°C In Duct					90°C Direct Buried				
35KV 100% Copper Single Phase - Full Neutral																			
QB703ZC	1/0 SOLID CU	345	16-#12	8.26	27.41	29.74	36.69	1878	305	215	0.84	0.12	0.84	0.12	276	0.84	0.12	0.84	0.12
QB803ZC	1/0 AWG CU	345	16-#12	8.59	27.64	29.97	36.92	1897	305	217	0.85	0.11	0.85	0.11	278	0.85	0.11	0.85	0.11
QB903ZC	2/0 AWG CU	345	20-#12	9.60	28.65	30.99	37.94	2178	305	248	0.67	0.11	0.67	0.11	316	0.67	0.11	0.67	0.11
QBA03ZC	3/0 AWG CU	345	26-#12	10.82	29.87	32.21	39.16	2558	330	281	0.53	0.10	0.53	0.10	358	0.53	0.10	0.53	0.10
QBB03ZC	4/0 AWG CU	345	32-#12	12.14	31.19	33.53	40.48	2984	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																			
QB702ZC	1/0 SOLID CU	345	14-#16	8.26	27.41	29.74	35.17	1501	305	216	0.41	0.18	1.59	0.12	277	0.45	0.32	1.56	0.12
QB802ZC	1/0 AWG CU	345	14-#16	8.59	27.64	29.97	35.40	1519	305	216	0.42	0.17	1.60	0.11	278	0.46	0.31	1.57	0.11
QB902ZC	2/0 AWG CU	345	17-#16	9.60	28.65	30.99	36.41	1718	305	245	0.34	0.17	1.30	0.11	311	0.38	0.30	1.28	0.11
QBA02ZC	3/0 AWG CU	345	21-#16	10.82	29.87	32.21	37.63	1971	305	278	0.27	0.16	1.03	0.10	347	0.32	0.29	1.01	0.10
QBB02ZC	4/0 AWG CU	345	27-#16	12.14	31.19	33.53	38.95	2290	330	314	0.22	0.16	0.80	0.09	383	0.27	0.27	0.79	0.09
QBC02ZC	250 MCM CU	345	21-#14	13.28	32.59	34.93	41.03	2663	330	344	0.19	0.15	0.69	0.09	408	0.24	0.26	0.68	0.09
QBD02ZC	350 MCM CU	345	28-#14	15.72	35.03	37.36	44.89	3445	381	408	0.14	0.15	0.50	0.08	461	0.20	0.23	0.50	0.08
QBE02ZC	500 MCM CU	345	26-#12	18.77	38.07	40.41	48.78	4578	406	480	0.11	0.14	0.34	0.08	510	0.17	0.19	0.34	0.08
QBF02XC	750 MCM CU	345	25-#10	24.59	44.15	47.35	56.79	6664	457	562	0.08	0.13	0.24	0.07	572	0.15	0.16	0.24	0.07
QBG02XC	1000 MCM CU	345	32-#10	28.37	47.93	51.13	60.58	8352	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)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

^S 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.

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.

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.

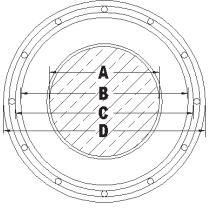
Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



35kV 133% Aluminum



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
				(A)	(B)	(C)	(D)			90°C In Duct					90°C Direct Buried				
35KV 133% Aluminum Single Phase - Full Neutral																			
QCP03ZC	1/0 SOLID AL	420	16-#14	8.26	31.37	33.71	39.81	1554	330	168	1.36	0.11	1.36	0.12	217	1.36	0.11	1.36	0.12
QCQ03ZC	1/0 AWG AL	420	16-#14	8.59	31.60	33.93	40.04	1571	330	169	1.38	0.11	1.38	0.11	218	1.38	0.11	1.38	0.11
QCR03ZC	2/0 AWG AL	420	13-#12	9.60	32.61	34.95	41.90	1792	356	194	1.08	0.10	1.08	0.11	249	1.08	0.10	1.08	0.11
QCS03ZC	3/0 AWG AL	420	16-#12	10.82	33.83	36.17	44.54	2076	381	220	0.86	0.10	0.86	0.10	283	0.86	0.10	0.86	0.10
QCT03ZC	4/0 AWG AL	420	20-#12	12.14	35.15	37.49	45.86	2267	381	250	0.69	0.10	0.69	0.10	321	0.69	0.10	0.69	0.10
QCU03ZC	250 MCM AL	420	23-#12	13.28	36.55	38.89	47.26	2566	381	280	0.56	0.09	0.56	0.09	353	0.56	0.09	0.56	0.09
QCV03ZC	350 MCM AL	420	33-#12	15.72	38.99	42.19	50.56	3204	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																			
QCP02ZC	1/0 SOLID AL	420	14-#16	8.26	31.37	33.71	39.13	1373	330	169	0.68	0.18	1.86	0.12	217	0.71	0.32	1.83	0.12
QCQ02ZC	1/0 AWG AL	420	14-#16	8.59	31.60	33.93	39.36	1389	330	168	0.70	0.18	1.88	0.12	215	0.73	0.32	1.85	0.12
QCR02ZC	2/0 AWG AL	420	14-#16	9.60	32.61	34.95	40.38	1473	330	191	0.55	0.18	1.83	0.12	244	0.58	0.31	1.80	0.12
QCS02ZC	3/0 AWG AL	420	15-#16	10.82	33.83	36.17	41.60	1590	356	217	0.44	0.17	1.55	0.11	276	0.47	0.30	1.52	0.11
QCT02ZC	4/0 AWG AL	420	17-#16	12.14	35.15	37.49	44.34	1764	356	247	0.35	0.17	1.33	0.11	309	0.38	0.29	1.31	0.11
QCU02ZC	250 MCM AL	420	21-#16	13.28	36.55	38.89	45.74	1998	381	270	0.30	0.16	1.09	0.10	335	0.34	0.28	1.07	0.10
QCV02ZC	350 MCM AL	420	27-#16	15.72	38.99	42.19	49.04	2395	406	324	0.21	0.15	0.83	0.09	392	0.26	0.26	0.82	0.09
QCW02ZC	500 MCM AL	420	25-#14	18.80	42.06	45.26	52.79	2965	432	390	0.16	0.15	0.58	0.08	450	0.21	0.24	0.57	0.09
QCX02ZC	750 MCM AL	420	24-#12	23.11	46.63	49.83	58.21	3894	483	474	0.11	0.14	0.38	0.08	521	0.16	0.20	0.38	0.08
QCY02ZC	1000 MCM AL	420	31-#12	26.92	50.44	53.64	62.02	4662	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)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

^S 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.

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.

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.

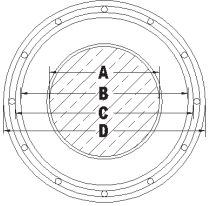
Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

5-46kV TRXLPE DOUBLESEAL™ CSA

Medium Voltage Utility Cables



35kV 133% Copper



Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/ft)	Minimum Bending Radius (in)	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††	† Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)††	Zero Sequence Impedance Reactance (μΩ/ft)††
										90°C In Duct					90°C Direct Buried				
35KV 133% Copper Single Phase - Full Neutral																			
QC703ZC	1/0 SOLID CU	420	16-#12	8.26	31.37	33.71	40.66	2103	330	215	0.84	0.12	0.84	0.12	276	0.84	0.12	0.84	0.12
QC803ZC	1/0 AWG CU	420	16-#12	8.59	31.60	33.93	40.88	2124	330	217	0.85	0.11	0.85	0.11	278	0.85	0.11	0.85	0.11
QC903ZC	2/0 AWG CU	420	20-#12	9.60	32.61	34.95	41.90	2411	356	248	0.67	0.11	0.67	0.11	316	0.67	0.11	0.67	0.11
QCA03ZC	3/0 AWG CU	420	26-#12	10.82	33.83	36.17	44.54	2889	381	281	0.53	0.10	0.53	0.10	358	0.53	0.10	0.53	0.10
QCB03ZC	4/0 AWG CU	420	32-#12	12.14	35.15	37.49	45.86	3325	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																			
QC702ZC	1/0 SOLID CU	420	14-#16	8.26	31.37	33.71	39.13	1717	330	216	0.41	0.18	1.59	0.12	277	0.45	0.32	1.56	0.12
QC802ZC	1/0 AWG CU	420	14-#16	8.59	31.60	33.93	39.36	1737	330	216	0.42	0.17	1.60	0.11	278	0.46	0.31	1.57	0.11
QC902ZC	2/0 AWG CU	420	17-#16	9.60	32.61	34.95	40.38	1942	330	245	0.34	0.17	1.30	0.11	311	0.38	0.30	1.28	0.11
QCA02ZC	3/0 AWG CU	420	21-#16	10.82	33.83	36.17	41.60	2201	356	278	0.27	0.16	1.03	0.10	347	0.32	0.29	1.01	0.10
QCB02ZC	4/0 AWG CU	420	27-#16	12.14	35.15	37.49	44.34	2619	356	314	0.22	0.16	0.80	0.09	383	0.27	0.27	0.79	0.09
QCC02ZC	250 MCM CU	420	21-#14	13.28	36.55	38.89	46.41	3008	381	344	0.19	0.15	0.69	0.09	408	0.24	0.26	0.68	0.09
QCD02ZC	350 MCM CU	420	28-#14	15.72	38.99	42.19	49.71	3792	406	408	0.14	0.15	0.50	0.08	461	0.20	0.23	0.50	0.08
QCE02ZC	500 MCM CU	420	26-#12	18.77	42.04	45.24	53.61	4954	432	480	0.11	0.14	0.34	0.08	510	0.17	0.19	0.34	0.08
QCF02XC	750 MCM CU	420	25-#10	24.59	48.11	51.31	60.76	7006	508	562	0.08	0.13	0.24	0.07	572	0.15	0.16	0.24	0.07
QCG02XC	1000 MCM CU	420	32-#10	28.37	51.89	55.09	64.54	8716	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)

†† Zero Sequence Impedance considers all return in the neutral only.
Three Phase Operation (1/3 Neutral Design)

PRODUCT NOTES:

⁵ 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.

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.

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.