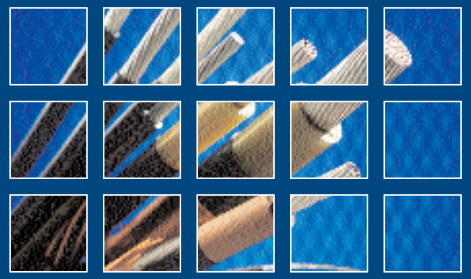
PRYSMIAN CABLES & SYSTEMS

5-46kV TRXLPE SUPERDRI™



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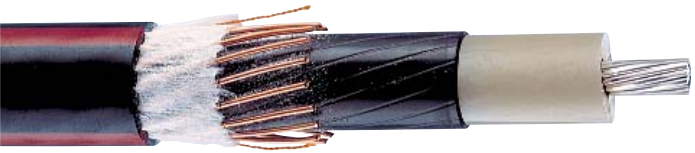
Description

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

Specifications Ratings

AEIC	AEIC CS8
ICEA	ICEA S-94-649
ICEA	ICEA T-31-610
ICEA	ICEA T-34-664

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



Design Parameters

Conductor

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

Insulation Shield

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

Metallic Shield

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

Water Blocking Agents

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

Jacket

- Sleeved black insulating sunlight resistant linear low-density polyethylene with three extruded red stripes and NESC lightning bolt symbol. Rip cords are applied underneath the jacket to ease removal.

Options

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

Installations

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

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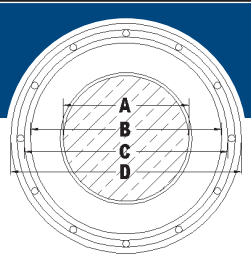

TRXLPE SUPERDRI™ 5kV 100%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
5kV 100% Aluminum Single Phase – Full Neutral																			
Q4L050A	2 SOLID AL	90	10-#14	0.258	0.48	0.55	0.84	341	7	123	663	24	663	25	178	663	24	663	25
Q4M050A	2 AWG AL	90	10-#14	0.284	0.51	0.58	0.91	378	8	124	669	25	669	25	177	669	25	669	25
Q4N050A	1 SOLID AL	90	13-#14	0.289	0.52	0.58	0.91	427	8	141	518	23	518	23	201	518	23	518	23
Q4O050A	1 AWG AL	90	13-#14	0.324	0.55	0.62	0.95	446	8	143	523	22	523	22	203	523	22	523	22
Q4P050A	1/0 SOLID AL	90	16-#14	0.325	0.55	0.62	0.95	498	8	160	415	22	415	22	228	415	22	415	22
Q4Q050A	1/0 AWG AL	90	16-#14	0.364	0.59	0.66	0.99	521	8	162	420	21	420	21	229	420	21	420	21
Q4R050A	2/0 AWG AL	90	13-#12	0.408	0.63	0.70	1.06	628	9	188	328	21	328	20	263	328	21	328	20
Q4S050A	3/0 AWG AL	90	16-#12	0.458	0.68	0.75	1.11	741	9	214	263	20	263	19	298	263	20	263	19
Q4T050A	4/0 AWG AL	90	13-#10	0.515	0.74	0.81	1.21	904	10	248	207	19	207	19	342	207	19	207	19
Q4U050A	250 MCM AL	90	16-#10	0.561	0.80	0.86	1.27	1078	11	276	171	18	171	18	379	171	18	171	18
Q4V050A	350 MCM AL	90	16-#9	0.664	0.90	0.97	1.39	1358	12	328	130	17	130	17	446	130	17	130	17
5kV 100% Aluminum Three Phase – One-Third Neutral																			
Q4L040A	2 SOLID AL	90	6-#14	0.258	0.48	0.55	0.84	289	7	125	329	47	876	25	184	340	103	863	25
Q4M040A	2 AWG AL	90	6-#14	0.284	0.51	0.58	0.91	326	8	126	335	48	883	25	183	346	102	871	25
Q4N040A	1 SOLID AL	90	6-#14	0.289	0.52	0.58	0.91	336	8	143	261	46	809	23	207	272	100	797	23
Q4O040A	1 AWG AL	90	6-#14	0.324	0.55	0.62	0.95	355	8	144	266	45	815	22	207	276	98	804	22
Q4P040A	1/0 SOLID AL	90	6-#14	0.325	0.55	0.62	0.95	368	8	163	207	44	756	22	234	217	98	745	22
Q4Q040A	1/0 AWG AL	90	6-#14	0.364	0.59	0.66	0.99	390	8	164	212	43	761	21	234	222	96	751	21
Q4R040A	2/0 AWG AL	90	7-#14	0.408	0.63	0.70	1.03	445	9	186	168	42	640	20	264	179	93	632	20
Q4S040A	3/0 AWG AL	90	9-#14	0.458	0.68	0.75	1.08	522	9	213	133	40	500	19	296	146	89	495	19
Q4T040A	4/0 AWG AL	90	11-#14	0.515	0.74	0.81	1.14	611	10	242	107	39	407	18	329	122	85	403	18
Q4U040A	250 MCM AL	90	13-#14	0.561	0.80	0.86	1.19	702	10	265	91	38	344	17	354	107	82	341	17
Q4V040A	350 MCM AL	90	18-#14	0.664	0.90	0.97	1.29	905	11	319	66	36	248	15	405	86	75	247	15
Q4W040A	500 MCM AL	90	16-#12	0.794	1.03	1.12	1.48	1225	12	387	48	35	175	15	458	70	66	174	15
Q4X040A	750 MCM AL	90	24-#12	0.974	1.22	1.30	1.67	1721	14	469	35	33	117	14	512	58	54	117	14
Q4Y040A	1000 MCM AL	90	20-#10	1.124	1.37	1.45	1.92	2269	16	528	29	32	89	13	555	51	45	88	13

†Ampacities are based on the following:

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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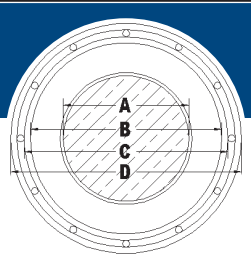

TRXLPE SUPERDRI™ 5kV 100%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
5kV 100% Copper Single Phase – Full Neutral																			
Q43050A	2 SOLID CU	90	16-#14	0.258	0.48	0.55	0.84	558	7	157	408	25	408	25	227	408	25	408	25
Q44050A	2 AWG CU	90	16-#14	0.284	0.51	0.58	0.91	595	8	158	412	25	412	25	226	412	25	412	25
Q45050A	1 SOLID CU	90	13-#12	0.289	0.52	0.58	0.94	706	8	183	318	24	318	24	258	318	24	318	24
Q46050A	1 AWG CU	90	13-#12	0.324	0.55	0.62	0.98	727	8	184	322	23	322	23	260	322	23	322	23
Q47050A	1/0 SOLID CU	90	16-#12	0.325	0.55	0.62	0.98	848	8	207	256	23	256	22	292	256	23	256	22
Q48050A	1/0 AWG CU	90	16-#12	0.364	0.59	0.66	1.02	871	9	209	258	22	258	22	294	258	22	258	22
Q49050A	2/0 AWG CU	90	13-#10	0.408	0.63	0.70	1.11	1070	9	242	203	22	203	21	337	203	22	203	21
Q4A050A	3/0 AWG CU	90	16-#10	0.458	0.68	0.75	1.16	1293	10	275	163	20	163	20	381	163	20	163	20
Q4B050A	4/0 AWG CU	90	16-#9	0.515	0.74	0.81	1.24	1588	10	315	130	20	130	19	434	130	20	130	19
5kV 100% Copper Three Phase – One-Third Neutral																			
Q43040A	2 SOLID CU	90	6-#14	0.258	0.48	0.55	0.84	428	7	160	200	47	747	25	234	211	103	734	25
Q44040A	2 AWG CU	90	6-#14	0.284	0.51	0.58	0.91	465	8	162	204	48	751	25	233	214	102	739	25
Q45040A	1 SOLID CU	90	7-#14	0.289	0.52	0.58	0.91	524	8	184	159	46	628	23	262	171	100	618	23
Q46040A	1 AWG CU	90	7-#14	0.324	0.55	0.62	0.95	545	8	184	163	45	632	22	262	174	98	623	22
Q47040A	1/0 SOLID CU	90	9-#14	0.325	0.55	0.62	0.95	629	8	209	127	44	491	22	292	141	96	485	22
Q48040A	1/0 AWG CU	90	9-#14	0.364	0.59	0.66	0.99	652	8	210	129	43	495	21	293	143	94	488	21
Q49040A	2/0 AWG CU	90	11-#14	0.408	0.63	0.70	1.03	778	9	238	103	42	402	20	326	119	90	398	20
Q4A040A	3/0 AWG CU	90	14-#14	0.458	0.68	0.75	1.08	941	9	271	82	40	317	19	359	102	85	314	19
Q4B040A	4/0 AWG CU	90	18-#14	0.515	0.74	0.81	1.14	1147	10	306	67	39	248	18	392	88	79	247	18
Q4C040A	250 MCM CU	90	21-#14	0.561	0.80	0.86	1.19	1336	10	335	57	38	212	17	415	80	75	211	17
Q4D040A	350 MCM CU	90	18-#12	0.664	0.90	0.97	1.33	1797	11	400	43	36	154	16	462	68	65	154	16
Q4E040A	500 MCM CU	90	17-#10	0.794	1.03	1.12	1.52	2534	13	472	33	34	105	15	509	58	52	104	15
Q4F040A	750 MCM CU	90	20-#9	0.974	1.22	1.30	1.79	3736	15	547	26	32	72	14	569	48	40	71	14
Q4G040A	1000 MCM CU	90	21-#8	1.124	1.37	1.45	1.97	4873	16	593	23	30	54	13	624	41	31	53	13

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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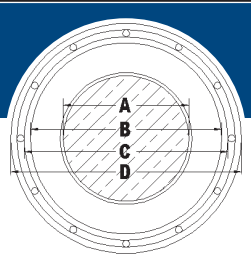

TRXLPE SUPERDRI™ 5kV 133%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
5kV 133% Aluminum Single Phase – Full Neutral																			
Q5L050A	2 SOLID AL	115	10-#14	0.258	0.53	0.60	0.93	387	8	123	663	24	663	25	178	663	24	663	25
Q5M050A	2 AWG AL	115	10-#14	0.284	0.56	0.63	0.96	403	8	124	669	25	669	25	177	669	25	669	25
Q5N050A	1 SOLID AL	115	13-#14	0.289	0.57	0.63	0.96	453	8	141	518	23	518	23	201	518	23	518	23
Q5O050A	1 AWG AL	115	13-#14	0.324	0.60	0.67	1.00	473	8	143	523	22	523	22	203	523	22	523	22
Q5P050A	1/0 SOLID AL	115	16-#14	0.325	0.60	0.67	1.00	524	8	160	415	22	415	22	228	415	22	415	22
Q5Q050A	1/0 AWG AL	115	16-#14	0.364	0.64	0.71	1.04	548	9	162	420	21	420	21	229	420	21	420	21
Q5R050A	2/0 AWG AL	115	13-#12	0.408	0.68	0.75	1.11	657	9	188	328	21	328	20	263	328	21	328	20
Q5S050A	3/0 AWG AL	115	16-#12	0.458	0.73	0.80	1.16	771	10	214	263	20	263	19	298	263	20	263	19
Q5T050A	4/0 AWG AL	115	13-#10	0.515	0.79	0.86	1.26	936	11	248	207	19	210	19	342	207	19	207	19
Q5U050A	250 MCM AL	115	16-#10	0.561	0.85	0.91	1.32	1112	11	276	171	18	171	18	379	171	18	171	18
Q5V050A	350 MCM AL	115	16-#9	0.664	0.95	1.02	1.44	1395	12	328	130	17	130	17	446	130	17	130	17
5kV 133% Aluminum Three Phase – One-Third Neutral																			
Q5L040A	2 SOLID AL	115	6-#14	0.258	0.53	0.60	0.93	335	8	125	329	47	876	25	184	340	103	863	25
Q5M040A	2 AWG AL	115	6-#14	0.284	0.56	0.63	0.96	351	8	126	335	48	883	25	183	346	102	871	25
Q5N040A	1 SOLID AL	115	6-#14	0.289	0.57	0.63	0.96	361	8	143	261	46	809	23	207	272	100	797	23
Q5O040A	1 AWG AL	115	6-#14	0.324	0.60	0.67	1.00	381	8	144	266	45	815	22	207	276	98	804	22
Q5P040A	1/0 SOLID AL	115	6-#14	0.325	0.60	0.67	1.00	394	8	163	207	44	756	22	234	217	98	745	22
Q5Q040A	1/0 AWG AL	115	6-#14	0.364	0.64	0.71	1.04	418	9	164	212	43	761	21	234	222	96	751	21
Q5R040A	2/0 AWG AL	115	7-#14	0.408	0.68	0.75	1.08	474	9	186	168	42	640	20	264	179	93	632	20
Q5S040A	3/0 AWG AL	115	9-#14	0.458	0.73	0.80	1.13	552	10	213	133	40	500	19	296	146	89	495	19
Q5T040A	4/0 AWG AL	115	11-#14	0.515	0.79	0.86	1.19	643	10	242	107	39	407	18	329	122	85	403	18
Q5U040A	250 MCM AL	115	13-#14	0.561	0.85	0.91	1.24	736	10	265	91	38	344	17	354	107	82	341	17
Q5V040A	350 MCM AL	115	18-#14	0.664	0.95	1.02	1.34	942	11	319	66	36	248	15	405	86	75	247	15
Q5W040A	500 MCM AL	115	16-#12	0.794	1.08	1.17	1.53	1267	13	387	48	35	175	15	458	70	66	174	15
Q5X040A	750 MCM AL	115	24-#12	0.974	1.27	1.35	1.78	1836	15	469	35	33	117	14	512	58	54	117	14
Q5Y040A	1000 MCM AL	115	20-#10	1.124	1.42	1.50	1.97	2324	16	528	29	32	89	13	555	51	45	88	13

†Ampacities are based on the following:

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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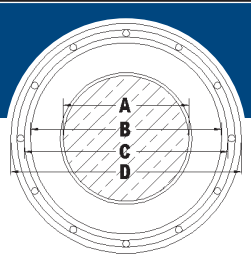

TRXLPE SUPERDRI™ 5kV 133%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
5kV 133% Copper Single Phase – Full Neutral																			
Q53050A	2 SOLID CU	115	16-#14	0.258	0.53	0.60	0.93	604	8	157	408	25	408	25	227	408	25	408	25
Q54050A	2 AWG CU	115	16-#14	0.284	0.56	0.63	0.96	620	8	158	412	25	412	25	226	412	25	412	25
Q55050A	1 SOLID CU	115	13-#12	0.289	0.57	0.63	0.99	732	8	183	318	24	318	24	258	318	24	318	24
Q56050A	1 AWG CU	115	13-#12	0.324	0.60	0.67	1.03	753	9	184	322	23	322	23	260	322	23	322	23
Q57050A	1/0 SOLID CU	115	16-#12	0.325	0.60	0.67	1.03	874	9	207	256	23	256	22	292	256	23	256	22
Q58050A	1/0 AWG CU	115	16-#12	0.364	0.64	0.71	1.07	898	9	209	258	22	258	22	294	258	22	258	22
Q59050A	2/0 AWG CU	115	13-#10	0.408	0.68	0.75	1.16	1099	10	242	203	22	203	21	337	203	22	203	21
Q5A050A	3/0 AWG CU	115	16-#10	0.458	0.73	0.80	1.21	1324	10	275	163	20	163	20	381	163	20	163	20
Q5B050A	4/0 AWG CU	115	16-#9	0.515	0.79	0.86	1.29	1620	11	315	130	20	130	19	434	130	20	130	19
5kV 133% Copper Three Phase – One-Third Neutral																			
Q53040A	2 SOLID CU	115	6-#14	0.258	0.53	0.60	0.93	474	8	160	200	47	747	25	234	211	103	734	25
Q54040A	2 AWG CU	115	6-#14	0.284	0.56	0.63	0.96	490	8	162	204	48	751	25	233	214	102	739	25
Q55040A	1 SOLID CU	115	7-#14	0.289	0.57	0.63	0.96	549	8	184	159	46	628	23	262	171	100	618	23
Q56040A	1 AWG CU	115	7-#14	0.324	0.60	0.67	1.00	571	8	184	163	45	632	22	262	174	98	623	22
Q57040A	1/0 SOLID CU	115	9-#14	0.325	0.60	0.67	1.00	655	8	209	127	44	491	22	292	141	96	485	22
Q58040A	1/0 AWG CU	115	9-#14	0.364	0.64	0.71	1.04	679	9	210	129	43	495	21	293	143	94	488	21
Q59040A	2/0 AWG CU	115	11-#14	0.408	0.68	0.75	1.08	806	9	238	103	42	402	20	326	119	90	398	20
Q5A040A	3/0 AWG CU	115	14-#14	0.458	0.73	0.80	1.13	971	10	271	82	40	317	19	359	102	85	314	19
Q5B040A	4/0 AWG CU	115	18-#14	0.515	0.79	0.86	1.19	1180	10	306	67	39	248	18	392	88	79	247	18
Q5C040A	250 MCM CU	115	21-#14	0.561	0.85	0.91	1.24	1370	10	335	57	38	212	17	415	80	75	211	17
Q5D040A	350 MCM CU	115	18-#12	0.664	0.95	1.02	1.38	1834	12	400	43	36	154	16	462	68	65	154	16
Q5E040A	500 MCM CU	115	17-#10	0.794	1.08	1.17	1.57	2576	13	472	33	34	105	15	509	58	52	104	15
Q5F040A	750 MCM CU	115	20-#9	0.974	1.27	1.35	1.84	3786	15	547	26	32	72	14	569	48	40	71	14
Q5G040A	1000 MCM CU	115	21-#8	1.124	1.42	1.50	2.02	4928	17	593	23	30	54	13	624	41	31	53	13

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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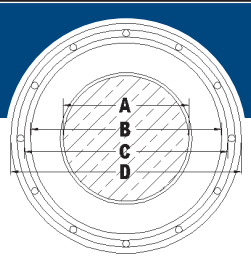

TRXLPE SUPERDRI™ 15kV 100%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
15kV 100% Aluminum Single Phase – Full Neutral																			
Q7L050A	2 SOLID AL	175	10-#14	0.258	0.65	0.72	1.05	451	9	127	663	29	663	30	174	663	29	663	30
Q7M050A	2 AWG AL	175	10-#14	0.284	0.68	0.75	1.08	470	9	128	669	30	669	31	175	669	30	669	31
Q7N050A	1 SOLID AL	175	13-#14	0.289	0.69	0.75	1.08	520	9	146	518	28	518	29	199	518	28	518	29
Q7O050A	1 AWG AL	175	13-#14	0.324	0.72	0.79	1.12	542	9	147	523	27	523	28	200	523	27	523	28
Q7P050A	1/0 SOLID AL	175	16-#14	0.325	0.72	0.79	1.12	594	9	165	415	27	415	27	225	415	27	415	27
Q7Q050A	1/0 AWG AL	175	16-#14	0.364	0.76	0.83	1.16	621	10	166	420	26	420	26	226	420	26	420	26
Q7R050A	2/0 AWG AL	175	13-#12	0.408	0.80	0.87	1.23	733	10	192	328	25	328	25	260	328	25	328	25
Q7S050A	3/0 AWG AL	175	16-#12	0.458	0.85	0.92	1.28	851	11	218	263	24	263	24	295	263	24	263	24
Q7T050A	4/0 AWG AL	175	13-#10	0.515	0.91	0.98	1.38	1021	12	252	207	23	207	23	338	207	23	207	23
Q7U050A	250 MCM AL	175	16-#10	0.561	0.97	1.03	1.44	1200	12	280	171	22	171	22	374	171	22	171	22
Q7V050A	350 MCM AL	175	16-#9	0.664	1.07	1.16	1.58	1512	13	333	130	21	130	20	441	130	21	130	20
15kV 100% Aluminum Three Phase – One-Third Neutral																			
Q7L040A	2 SOLID AL	175	6-#14	0.258	0.65	0.72	1.05	399	9	129	329	52	871	30	178	338	103	856	30
Q7M040A	2 AWG AL	175	6-#14	0.284	0.68	0.75	1.08	418	9	129	335	52	878	31	178	344	102	864	31
Q7N040A	1 SOLID AL	175	6-#14	0.289	0.69	0.75	1.08	428	9	146	261	50	804	29	202	270	100	790	29
Q7O040A	1 AWG AL	175	6-#14	0.324	0.72	0.79	1.12	451	9	147	266	49	810	28	202	275	98	797	28
Q7P040A	1/0 SOLID AL	175	6-#14	0.325	0.72	0.79	1.12	464	9	166	207	49	751	27	229	216	98	738	27
Q7Q040A	1/0 AWG AL	175	6-#14	0.364	0.76	0.83	1.16	490	10	167	212	47	757	26	229	221	96	744	26
Q7R040A	2/0 AWG AL	175	7-#14	0.408	0.80	0.87	1.20	550	10	190	168	46	636	25	258	178	93	626	25
Q7S040A	3/0 AWG AL	175	9-#14	0.458	0.85	0.92	1.25	632	11	216	133	44	497	23	291	145	89	490	23
Q7T040A	4/0 AWG AL	175	11-#14	0.515	0.91	0.98	1.31	727	11	245	107	42	405	22	325	120	86	400	22
Q7U040A	250 MCM AL	175	13-#14	0.561	0.97	1.03	1.36	824	11	269	91	41	343	21	350	106	82	339	21
Q7V040A	350 MCM AL	175	18-#14	0.664	1.07	1.16	1.48	1058	12	323	66	39	247	19	403	84	76	245	19
Q7W040A	500 MCM AL	175	16-#12	0.794	1.20	1.29	1.65	1374	14	390	48	37	174	18	458	69	67	173	18
Q7X040A	750 MCM AL	175	24-#12	0.974	1.39	1.47	1.90	1962	16	473	35	35	117	16	516	60	55	116	16
Q7Y040A	1000 MCM AL	175	20-#10	1.124	1.54	1.65	2.12	2505	17	534	29	34	89	16	561	49	47	88	16

†Ampacities are based on the following:

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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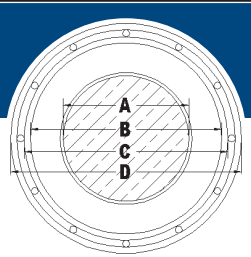

TRXLPE SUPERDRI™ 15kV 100%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
15kV 100% Copper Single Phase – Full Neutral																			
Q73050A	2 SOLID CU	175	16-#14	0.258	0.65	0.72	1.05	669	9	162	408	31	408	30	222	408	31	408	30
Q74050A	2 AWG CU	175	16-#14	0.284	0.68	0.75	1.08	687	9	163	412	31	412	31	223	412	31	412	31
Q75050A	1 SOLID CU	175	13-#12	0.289	0.69	0.75	1.11	799	9	187	318	29	318	29	255	318	29	318	29
Q76050A	1 AWG CU	175	13-#12	0.324	0.72	0.79	1.15	823	10	189	322	28	322	28	257	322	28	322	28
Q77050A	1/0 SOLID CU	175	16-#12	0.325	0.72	0.79	1.15	944	10	212	256	28	256	28	289	256	28	256	28
Q78050A	1/0 AWG CU	175	16-#12	0.364	0.76	0.83	1.19	971	10	214	258	27	258	27	291	258	27	258	27
Q79050A	2/0 AWG CU	175	13-#10	0.408	0.80	0.87	1.28	1175	11	247	203	26	203	26	333	203	26	203	26
Q7A050A	3/0 AWG CU	175	16-#10	0.458	0.85	0.92	1.33	1404	11	280	163	25	163	24	377	163	25	163	24
Q7B050A	4/0 AWG CU	175	16-#9	0.515	0.91	0.98	1.41	1705	12	320	130	23	130	23	429	130	23	130	23
15kV 100% Copper Three Phase – One-Third Neutral																			
Q73040A	2 SOLID CU	175	6-#14	0.258	0.65	0.72	1.05	539	9	165	200	52	742	30	227	209	103	727	30
Q74040A	2 AWG CU	175	6-#14	0.284	0.68	0.75	1.08	557	9	165	204	52	747	31	227	213	102	732	31
Q75040A	1 SOLID CU	175	7-#14	0.289	0.69	0.75	1.08	616	9	188	159	50	624	29	256	169	100	612	29
Q76040A	1 AWG CU	175	7-#14	0.324	0.72	0.79	1.12	640	9	188	162	49	629	28	257	173	98	617	28
Q77040A	1/0 SOLID CU	175	9-#14	0.325	0.72	0.79	1.12	725	9	213	126	49	489	27	287	139	96	480	27
Q78040A	1/0 AWG CU	175	9-#14	0.364	0.76	0.83	1.16	752	10	214	129	47	492	26	288	141	94	484	26
Q79040A	2/0 AWG CU	175	11-#14	0.408	0.80	0.87	1.20	882	10	242	103	46	400	25	322	117	91	394	25
Q7A040A	3/0 AWG CU	175	14-#14	0.458	0.85	0.92	1.25	1051	11	275	82	44	315	23	356	99	86	312	23
Q7B040A	4/0 AWG CU	175	18-#14	0.515	0.91	0.98	1.31	1264	11	311	66	42	247	22	390	86	81	245	22
Q7C040A	250 MCM CU	175	21-#14	0.561	0.97	1.03	1.36	1459	11	340	57	41	211	21	415	78	76	210	21
Q7D040A	350 MCM CU	175	18-#12	0.664	1.07	1.16	1.52	1951	13	406	42	39	153	20	465	66	67	153	20
Q7E040A	500 MCM CU	175	17-#10	0.794	1.20	1.29	1.69	2684	14	478	33	37	104	18	514	57	55	104	18
Q7F040A	750 MCM CU	175	20-#9	0.974	1.39	1.47	1.96	3913	16	554	26	34	71	17	574	47	42	71	17
Q7G040A	1000 MCM CU	175	21-#8	1.124	1.54	1.65	2.17	5109	18	602	23	32	54	16	630	40	34	53	16

†Ampacities are based on the following:

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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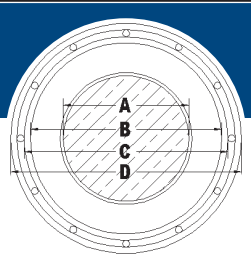

TRXLPE SUPERDRI™ 15kV 133%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
15kV 133% Aluminum Single Phase – Full Neutral																			
Q8L050A	2 SOLID AL	220	10-#14	0.258	0.74	0.81	1.14	506	10	127	663	29	663	30	174	663	29	663	30
Q8M050A	2 AWG AL	220	10-#14	0.284	0.77	0.84	1.17	526	10	128	669	30	669	31	175	669	30	669	31
Q8N050A	1 SOLID AL	220	13-#14	0.289	0.78	0.84	1.17	576	10	146	518	28	518	29	199	518	28	518	29
Q8O050A	1 AWG AL	220	13-#14	0.324	0.81	0.88	1.21	600	10	147	523	27	523	28	200	523	27	523	28
Q8P050A	1/0 SOLID AL	220	16-#14	0.325	0.81	0.88	1.21	652	10	165	415	27	415	27	225	415	27	415	27
Q8Q050A	1/0 AWG AL	220	16-#14	0.364	0.85	0.92	1.25	681	10	166	420	26	420	26	226	420	26	420	26
Q8R050A	2/0 AWG AL	220	13-#12	0.408	0.89	0.96	1.32	796	11	192	328	25	328	25	260	328	25	328	25
Q8S050A	3/0 AWG AL	220	16-#12	0.458	0.94	1.01	1.37	917	11	218	263	24	263	24	295	263	24	263	24
Q8T050A	4/0 AWG AL	220	13-#10	0.515	1.00	1.07	1.47	1090	12	252	207	23	207	23	338	207	23	207	23
Q8U050A	250 MCM AL	220	16-#10	0.561	1.06	1.14	1.55	1293	13	280	171	22	171	22	374	171	22	171	22
Q8V050A	350 MCM AL	220	16-#9	0.664	1.16	1.25	1.67	1592	14	333	130	21	130	20	441	130	21	130	20
15kV 133% Aluminum Three Phase – One-Third Neutral																			
Q8L040A	2 SOLID AL	220	6-#14	0.258	0.74	0.81	1.14	454	10	129	329	52	871	30	178	338	103	856	30
Q8M040A	2 AWG AL	220	6-#14	0.284	0.77	0.84	1.17	474	10	129	335	52	878	31	178	344	102	864	31
Q8N040A	1 SOLID AL	220	6-#14	0.289	0.78	0.84	1.17	484	10	146	261	50	804	29	202	270	100	790	29
Q8O040A	1 AWG AL	220	6-#14	0.324	0.81	0.88	1.21	509	10	147	266	49	810	28	202	275	98	797	28
Q8P040A	1/0 SOLID AL	220	6-#14	0.325	0.81	0.88	1.21	522	10	166	207	49	751	27	229	216	98	738	27
Q8Q040A	1/0 AWG AL	220	6-#14	0.364	0.85	0.92	1.25	551	10	167	212	47	757	26	229	221	96	744	26
Q8R040A	2/0 AWG AL	220	7-#14	0.408	0.89	0.96	1.29	613	11	190	168	46	636	25	258	178	93	626	25
Q8S040A	3/0 AWG AL	220	9-#14	0.458	0.94	1.01	1.34	698	11	216	133	44	497	23	291	145	89	490	23
Q8T040A	4/0 AWG AL	220	11-#14	0.515	1.00	1.07	1.40	796	12	245	107	42	405	22	325	120	86	400	22
Q8U040A	250 MCM AL	220	13-#14	0.561	1.06	1.14	1.47	916	12	269	91	41	343	21	350	106	82	339	21
Q8V040A	350 MCM AL	220	18-#14	0.664	1.16	1.25	1.57	1137	13	323	66	39	247	19	403	84	76	245	19
Q8W040A	500 MCM AL	220	16-#12	0.794	1.29	1.38	1.80	1528	15	390	48	37	174	18	458	69	67	173	18
Q8X040A	750 MCM AL	220	24-#12	0.974	1.48	1.56	1.99	2062	16	473	35	35	117	16	516	60	55	116	16
Q8Y040A	1000 MCM AL	220	20-#10	1.124	1.63	1.74	2.21	2616	18	534	29	34	89	16	561	49	47	88	16

†Ampacities are based on the following:

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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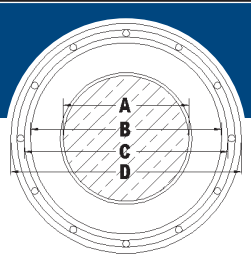

TRXLPE SUPERDRI™ 15kV 133%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
15kV 133% Copper Single Phase – Full Neutral																			
Q83050A	2 SOLID CU	220	16-#14	0.258	0.74	0.81	1.14	724	10	162	408	31	408	30	222	408	30	408	30
Q84050A	2 AWG CU	220	16-#14	0.284	0.77	0.84	1.17	743	10	163	412	31	412	31	223	412	31	412	31
Q85050A	1 SOLID CU	220	13-#12	0.289	0.78	0.84	1.20	855	10	187	318	29	318	29	255	318	29	318	29
Q86050A	1 AWG CU	220	13-#12	0.324	0.81	0.88	1.24	881	10	189	322	28	322	28	257	322	28	322	28
Q87050A	1/0 SOLID CU	220	16-#12	0.325	0.81	0.88	1.24	1002	10	212	256	28	256	28	289	256	28	256	28
Q88050A	1/0 AWG CU	220	16-#12	0.364	0.85	0.92	1.28	1031	11	214	258	27	258	27	291	258	27	258	27
Q89050A	2/0 AWG CU	220	13-#10	0.408	0.89	0.96	1.37	1238	11	247	203	26	203	26	333	203	26	203	26
Q8A050A	3/0 AWG CU	220	16-#10	0.458	0.94	1.01	1.42	1470	12	280	163	25	163	24	377	163	24	163	24
Q8B050A	4/0 AWG CU	220	16-#9	0.515	1.00	1.07	1.50	1774	12	320	130	23	130	23	429	130	23	130	23
15kV 133% Copper Three Phase – One-Third Neutral																			
Q83040A	2 SOLID CU	220	6-#14	0.258	0.74	0.81	1.14	593	10	165	200	52	742	30	227	209	103	727	30
Q84040A	2 AWG CU	220	6-#14	0.284	0.77	0.84	1.17	612	10	165	204	52	747	31	227	213	102	732	31
Q85040A	1 SOLID CU	220	7-#14	0.289	0.78	0.84	1.17	672	10	188	159	50	624	29	256	169	100	612	29
Q86040A	1 AWG CU	220	7-#14	0.324	0.81	0.88	1.21	698	10	188	162	49	629	28	257	173	98	617	28
Q87040A	1/0 SOLID CU	220	9-#14	0.325	0.81	0.88	1.21	783	10	213	126	49	489	27	287	139	96	480	27
Q88040A	1/0 AWG CU	220	9-#14	0.364	0.85	0.92	1.25	812	10	214	129	47	492	26	288	141	94	484	26
Q89040A	2/0 AWG CU	220	11-#14	0.408	0.89	0.96	1.29	945	11	242	103	46	400	25	322	117	91	394	25
Q8A040A	3/0 AWG CU	220	14-#14	0.458	0.94	1.01	1.34	1117	11	275	82	44	315	23	356	99	86	312	23
Q8B040A	4/0 AWG CU	220	18-#14	0.515	1.00	1.07	1.40	1333	12	311	66	42	247	22	390	86	81	245	22
Q8C040A	250 MCM CU	220	21-#14	0.561	1.06	1.14	1.47	1551	12	340	57	41	211	21	415	78	76	210	21
Q8D040A	350 MCM CU	220	18-#12	0.664	1.16	1.25	1.61	2030	13	406	42	39	153	20	465	66	67	153	20
Q8E040A	500 MCM CU	220	17-#10	0.794	1.29	1.38	1.84	2839	15	478	33	37	104	18	514	57	55	104	18
Q8F040A	750 MCM CU	220	20-#9	0.974	1.48	1.56	2.05	4013	17	554	26	34	71	17	574	47	42	71	17
Q8G040A	1000 MCM CU	220	21-#8	1.124	1.63	1.74	2.26	5220	19	602	23	32	54	16	630	40	34	53	16

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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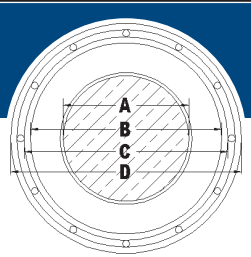

TRXLPE SUPERDRI™ 25kV 100%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
25kV 100% Aluminum Single Phase – Full Neutral																			
Q9N050A	1 SOLID AL	260	13-#14	0.289	0.86	0.92	1.25	630	11	149	518	33	518	33	197	518	33	518	33
Q9O050A	1 AWG AL	260	13-#14	0.324	0.89	0.96	1.29	656	11	150	523	31	523	32	198	523	31	523	32
Q9P050A	1/0 SOLID AL	260	16-#14	0.325	0.89	0.96	1.29	708	11	169	415	31	415	31	223	415	31	415	31
Q9Q050A	1/0 AWG AL	260	16-#14	0.364	0.93	1.00	1.33	739	11	170	420	30	420	30	225	420	30	420	30
Q9R050A	2/0 AWG AL	260	13-#12	0.408	0.97	1.04	1.40	856	12	196	328	29	328	29	258	328	29	328	29
Q9S050A	3/0 AWG AL	260	16-#12	0.458	1.02	1.11	1.47	999	12	226	263	28	263	28	292	263	28	263	28
Q9T050A	4/0 AWG AL	260	13-#10	0.515	1.08	1.17	1.57	1176	13	256	207	26	207	27	332	207	26	207	27
Q9U050A	250 MCM AL	260	16-#10	0.561	1.14	1.22	1.63	1363	14	284	171	25	171	25	335	171	25	171	25
Q9V050A	350 MCM AL	260	16-#9	0.664	1.24	1.33	1.81	1734	15	337	130	23	130	23	434	130	23	130	23
25kV 100% Aluminum Three Phase – One-Third Neutral																			
Q9N040A	1 SOLID AL	260	6-#14	0.289	0.86	0.92	1.25	539	11	148	261	54	801	33	198	269	101	785	33
Q9O040A	1 AWG AL	260	6-#14	0.324	0.89	0.96	1.29	565	11	149	266	53	807	32	199	274	99	791	32
Q9P040A	1/0 SOLID AL	260	6-#14	0.325	0.89	0.96	1.29	578	11	169	207	52	748	31	225	215	98	733	31
Q9Q040A	1/0 AWG AL	260	6-#14	0.364	0.93	1.00	1.33	609	11	169	212	51	754	30	225	220	96	739	30
Q9R040A	2/0 AWG AL	260	7-#14	0.408	0.97	1.04	1.37	673	11	192	168	49	633	29	254	177	93	622	29
Q9S040A	3/0 AWG AL	260	9-#14	0.458	1.02	1.11	1.44	780	12	219	133	47	495	27	286	144	90	487	27
Q9T040A	4/0 AWG AL	260	11-#14	0.515	1.08	1.17	1.50	882	12	248	107	46	403	26	321	119	86	397	26
Q9U040A	250 MCM AL	260	13-#14	0.561	1.14	1.22	1.55	985	13	272	91	44	341	25	347	104	83	336	25
Q9V040A	350 MCM AL	260	18-#14	0.664	1.24	1.33	1.65	1212	14	326	66	42	246	23	401	82	76	244	23
Q9W040A	500 MCM AL	260	16-#12	0.794	1.37	1.46	1.88	1612	16	393	48	40	173	21	457	67	68	172	21
Q9X040A	750 MCM AL	260	24-#12	0.974	1.56	1.67	2.10	2200	17	477	35	38	116	19	519	55	57	116	19
Q9Y040A	1000 MCM AL	260	20-#10	1.124	1.71	1.82	2.29	2719	19	538	28	36	88	18	565	48	49	88	18

†Ampacities are based on the following:

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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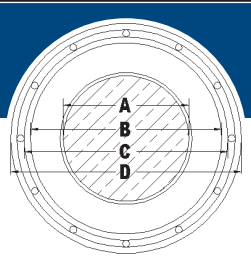

TRXLPE SUPERDRI™

25kV 100%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
25kV 100% Copper Single Phase – Full Neutral																			
Q95050A	1 SOLID CU	260	13-#12	0.289	0.86	0.92	1.28	909	11	191	318	33	318	34	253	318	33	318	34
Q96050A	1 AWG CU	260	13-#12	0.324	0.89	0.96	1.32	937	11	192	322	32	322	32	254	322	32	322	32
Q97050A	1/0 SOLID CU	260	16-#12	0.325	0.89	0.96	1.32	1058	11	217	256	32	256	32	286	256	32	256	32
Q98050A	1/0 AWG CU	260	16-#12	0.364	0.93	1.00	1.36	1089	11	218	258	31	258	31	288	258	31	258	31
Q99050A	2/0 AWG CU	260	13-#10	0.408	0.97	1.04	1.45	1299	12	251	203	29	203	29	330	203	29	203	29
Q9A050A	3/0 AWG CU	260	16-#10	0.458	1.02	1.11	1.52	1552	13	285	163	28	163	28	373	163	28	163	28
Q9B050A	4/0 AWG CU	260	16-#9	0.515	1.08	1.17	1.60	1860	13	325	130	27	130	27	424	130	27	130	27
25kV 100% Copper Three Phase – One-Third Neutral																			
Q95040A	1 SOLID CU	260	7-#14	0.289	0.86	0.92	1.25	726	11	190	159	54	621	33	252	168	100	608	33
Q96040A	1 AWG CU	260	7-#14	0.324	0.89	0.96	1.29	754	11	190	162	53	626	32	252	172	98	613	32
Q97040A	1/0 SOLID CU	260	9-#14	0.325	0.89	0.96	1.29	839	11	216	126	52	486	31	283	138	97	477	31
Q98040A	1/0 AWG CU	260	9-#14	0.364	0.93	1.00	1.33	870	11	216	129	51	489	30	284	140	95	481	30
Q99040A	2/0 AWG CU	260	11-#14	0.408	0.97	1.04	1.37	1005	11	245	103	49	398	29	318	116	91	391	29
Q9A040A	3/0 AWG CU	260	14-#14	0.458	1.02	1.11	1.44	1199	12	279	82	47	314	27	353	98	87	309	27
Q9B040A	4/0 AWG CU	260	18-#14	0.515	1.08	1.17	1.50	1419	12	315	66	46	246	26	388	84	82	243	26
Q9C040A	250 MCM CU	260	21-#14	0.561	1.14	1.22	1.55	1620	13	344	57	44	210	25	415	76	78	208	25
Q9D040A	350 MCM CU	260	18-#12	0.664	1.24	1.33	1.75	2170	14	409	42	43	153	23	465	64	69	152	23
Q9E040A	500 MCM CU	260	17-#10	0.794	1.37	1.46	1.92	2924	16	481	33	40	104	21	515	55	57	104	21
Q9F040A	750 MCM CU	260	20-#9	0.974	1.56	1.67	2.16	4151	18	561	26	37	71	20	580	45	45	71	20
Q9G040A	1000 MCM CU	260	21-#8	1.124	1.71	1.82	2.34	5324	19	609	23	34	54	18	634	39	37	53	18

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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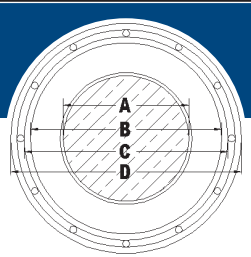

TRXLPE SUPERDRI™ 25kV 133%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
25kV 133% Aluminum Single Phase – Full Neutral																			
QAN050A	1 SOLID AL	320	13-#14	0.289	0.98	1.05	1.38	722	12	149	518	33	518	33	197	518	33	518	33
QAO050A	1 AWG AL	320	13-#14	0.324	1.01	1.08	1.41	751	12	150	523	31	523	32	198	523	31	523	32
QAP050A	1/0 SOLID AL	320	16-#14	0.325	1.02	1.08	1.41	803	12	169	415	31	415	31	223	415	31	415	31
QAQ050A	1/0 AWG AL	320	16-#14	0.364	1.05	1.14	1.47	857	12	170	420	30	420	30	225	420	30	420	30
QAR050A	2/0 AWG AL	320	13-#12	0.408	1.10	1.19	1.55	978	13	196	328	29	328	29	258	328	29	328	29
QAS050A	3/0 AWG AL	320	16-#12	0.458	1.15	1.24	1.60	1106	13	226	263	28	263	28	292	263	28	263	28
QAT050A	4/0 AWG AL	320	13-#10	0.515	1.21	1.29	1.70	1287	14	256	207	26	207	27	335	207	26	207	27
QAU050A	250 MCM AL	320	16-#10	0.561	1.26	1.35	1.81	1546	15	284	171	25	171	25	370	171	25	171	25
QAV050A	350 MCM AL	320	16-#9	0.664	1.36	1.45	1.94	1863	16	337	130	23	130	23	434	130	23	130	23
25kV 133% Aluminum Three Phase – One-Third Neutral																			
QAN040A	1 SOLID AL	320	6-#14	0.289	0.98	1.05	1.38	630	12	148	261	54	801	33	198	269	101	785	33
QAO040A	1 AWG AL	320	6-#14	0.324	1.01	1.08	1.41	659	12	149	266	53	807	32	199	274	99	791	32
QAP040A	1/0 SOLID AL	320	6-#14	0.325	1.02	1.08	1.41	672	12	169	207	52	748	31	225	215	98	733	31
QAQ040A	1/0 AWG AL	320	6-#14	0.364	1.05	1.14	1.47	726	12	169	212	51	754	30	225	220	96	739	30
QAR040A	2/0 AWG AL	320	7-#14	0.408	1.10	1.19	1.51	794	13	192	168	49	633	29	254	177	93	622	29
QAS040A	3/0 AWG AL	320	9-#14	0.458	1.15	1.24	1.56	887	13	219	133	47	495	27	286	144	90	487	27
QAT040A	4/0 AWG AL	320	11-#14	0.515	1.21	1.29	1.62	993	13	248	107	46	403	26	321	119	86	397	26
QAU040A	250 MCM AL	320	13-#14	0.561	1.26	1.35	1.68	1101	14	272	91	44	341	25	347	104	83	336	25
QAV040A	350 MCM AL	320	18-#14	0.664	1.36	1.45	1.84	1404	15	326	66	42	246	23	401	82	76	244	23
QAW040A	500 MCM AL	320	16-#12	0.794	1.49	1.58	2.00	1750	17	393	48	40	173	21	457	67	68	172	21
QAX040A	750 MCM AL	320	24-#12	0.974	1.68	1.80	2.22	2355	18	477	35	38	116	19	519	55	57	116	19
QAY040A	1000 MCM AL	320	20-#10	1.124	1.83	1.95	2.41	2886	20	538	28	36	88	18	565	48	49	88	18

†Ampacities are based on the following:

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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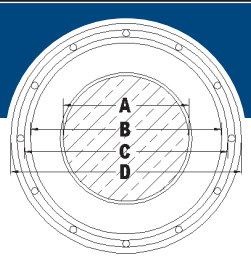

TRXLPE SUPERDRI™

25kV 133%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
25kV 133% Copper Single Phase – Full Neutral																			
QA5050A	1 SOLID CU	320	13-#12	0.289	0.98	1.05	1.41	1001	12	191	318	33	318	34	253	318	33	318	34
QA6050A	1 AWG CU	320	13-#12	0.324	1.01	1.08	1.44	1032	12	192	322	32	322	32	254	322	32	322	32
QA7050A	1/0 SOLID CU	320	16-#12	0.325	1.02	1.08	1.44	1153	12	217	256	32	256	32	286	256	32	256	32
QA8050A	1/0 AWG CU	320	16-#12	0.364	1.05	1.14	1.50	1207	13	218	258	31	258	31	288	258	31	258	31
QA9050A	2/0 AWG CU	320	13-#10	0.408	1.10	1.19	1.59	1421	13	251	203	29	203	29	330	203	29	203	29
QAA050A	3/0 AWG CU	320	16-#10	0.458	1.15	1.24	1.64	1659	14	285	163	28	163	28	373	163	28	163	28
QAB050A	4/0 AWG CU	320	16-#9	0.515	1.21	1.29	1.78	2038	15	325	130	27	130	27	424	130	27	130	27
25kV 133% Copper Three Phase – One-Third Neutral																			
QA5040A	1 SOLID CU	320	7-#14	0.289	0.98	1.05	1.38	818	12	190	159	54	621	33	252	168	100	608	33
QA6040A	1 AWG CU	320	7-#14	0.324	1.01	1.08	1.41	849	12	190	162	53	626	32	252	172	98	613	32
QA7040A	1/0 SOLID CU	320	9-#14	0.325	1.02	1.08	1.41	934	12	216	126	52	486	31	283	138	97	477	31
QA8040A	1/0 AWG CU	320	9-#14	0.364	1.05	1.14	1.47	988	12	216	129	51	489	30	284	140	95	481	30
QA9040A	2/0 AWG CU	320	11-#14	0.408	1.10	1.19	1.51	1127	13	245	103	49	398	29	318	116	91	391	29
QAA040A	3/0 AWG CU	320	14-#14	0.458	1.15	1.24	1.56	1305	13	279	82	47	314	27	353	98	87	309	27
QAB040A	4/0 AWG CU	320	18-#14	0.515	1.21	1.29	1.62	1530	13	315	66	46	246	26	388	84	82	243	26
QAC040A	250 MCM CU	320	21-#14	0.561	1.26	1.35	1.68	1736	14	344	57	44	210	25	415	76	78	208	25
QAD040A	350 MCM CU	320	18-#12	0.664	1.36	1.45	1.87	2298	15	409	42	43	153	23	465	64	69	152	23
QAE040A	500 MCM CU	320	17-#10	0.794	1.49	1.58	2.04	3062	17	481	33	40	104	21	515	55	57	104	21
QAF040A	750 MCM CU	320	20-#9	0.974	1.68	1.80	2.29	4307	19	561	26	37	71	20	580	45	45	71	20
QAG040A	1000 MCM CU	320	21-#8	1.124	1.83	1.95	2.47	5491	20	609	23	34	54	18	634	39	37	53	18

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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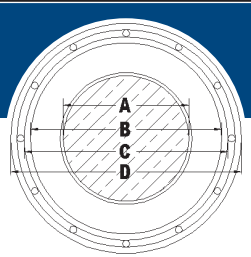

TRXLPE SUPERDRI™ 35kV 100%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
35kV 100% Aluminum Single Phase – Full Neutral																			
QBP050A	1/0 SOLID AL	345	16-#14	0.325	1.07	1.15	1.48	864	12	172	415	35	415	35	222	415	35	415	35
QBQ050A	1/0 AWG AL	345	16-#14	0.364	1.10	1.19	1.52	900	13	173	420	34	420	34	223	420	34	420	34
QBR050A	2/0 AWG AL	345	13-#12	0.408	1.15	1.24	1.60	1022	13	199	328	32	328	33	255	328	32	328	33
QBS050A	3/0 AWG AL	345	16-#12	0.458	1.20	1.29	1.65	1152	14	226	263	31	263	31	290	263	31	263	31
QBT050A	4/0 AWG AL	345	13-#10	0.515	1.26	1.34	1.81	1402	15	259	207	29	207	30	329	207	29	207	30
QBU050A	250 MCM AL	345	16-#10	0.561	1.31	1.40	1.86	1597	15	287	171	28	171	28	364	171	28	171	28
QBV050A	350 MCM AL	345	16-#9	0.664	1.41	1.50	1.99	1917	16	341	130	26	130	26	431	130	26	130	26
35kV 100% Aluminum Three Phase – One-Third Neutral																			
QBP040A	1/0 SOLID AL	345	6-#14	0.325	1.07	1.15	1.48	733	12	170	207	55	744	35	221	214	98	728	35
QBQ040A	1/0 AWG AL	345	6-#14	0.364	1.10	1.19	1.52	769	13	170	212	54	750	34	221	219	96	735	34
QBR040A	2/0 AWG AL	345	7-#14	0.408	1.15	1.24	1.56	839	13	194	168	52	630	32	251	176	93	618	32
QBS040A	3/0 AWG AL	345	9-#14	0.458	1.20	1.29	1.61	932	13	220	133	50	493	31	283	143	90	484	31
QBT040A	4/0 AWG AL	345	11-#14	0.515	1.26	1.34	1.67	1041	14	250	106	48	401	29	317	118	86	395	29
QBU040A	250 MCM AL	345	13-#14	0.561	1.31	1.40	1.79	1216	15	274	91	48	340	28	342	103	83	335	28
QBV040A	350 MCM AL	345	18-#14	0.664	1.41	1.50	1.89	1459	16	328	66	45	245	25	398	81	77	243	25
QBW040A	500 MCM AL	345	16-#12	0.794	1.54	1.66	2.08	1852	17	395	48	43	173	24	457	65	69	171	24
QBX040A	750 MCM AL	345	24-#12	0.974	1.73	1.85	2.27	2421	19	479	34	40	116	21	522	54	59	115	21
QBY040A	1000 MCM AL	345	20-#10	1.124	1.88	2.00	2.46	2957	20	541	28	38	88	20	569	47	51	88	20

†Ampacities are based on the following:

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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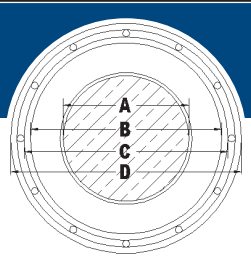

TRXLPE SUPERDRI™ 35kV 100%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
35kV 100% Copper Single Phase – Full Neutral																			
QB7050A	1/0 SOLID CU	345	16-#12	0.325	1.07	1.15	1.51	1214	13	220	256	36	256	36	284	256	36	256	36
QB8050A	1/0 AWG CU	345	16-#12	0.364	1.10	1.19	1.55	1250	13	222	258	34	258	35	286	258	34	258	35
QB9050A	2/0 AWG CU	345	13-#10	0.408	1.15	1.24	1.64	1465	14	255	203	33	203	33	327	203	33	203	33
QBA050A	3/0 AWG CU	345	16-#10	0.458	1.20	1.29	1.69	1705	14	289	163	31	163	31	370	163	31	163	31
QBB050A	4/0 AWG CU	345	16-#9	0.515	1.26	1.34	1.83	2088	15	329	130	30	130	30	418	130	30	130	30
35kV 100% Copper Three Phase – One-Third Neutral																			
QB7040A	1/0 SOLID CU	345	9-#14	0.325	1.07	1.15	1.48	995	12	218	126	55	484	35	280	137	97	474	35
QB8040A	1/0 AWG CU	345	9-#14	0.364	1.10	1.19	1.52	1031	13	219	129	54	487	34	281	139	95	478	34
QB9040A	2/0 AWG CU	345	11-#14	0.408	1.15	1.24	1.56	1171	13	248	103	52	396	32	315	115	92	389	32
QBA040A	3/0 AWG CU	345	14-#14	0.458	1.20	1.29	1.61	1351	13	281	82	50	313	31	351	96	87	308	31
QBB040A	4/0 AWG CU	345	18-#14	0.515	1.26	1.34	1.67	1577	14	318	66	48	245	29	387	83	83	242	29
QBC040A	250 MCM CU	345	21-#14	0.561	1.31	1.40	1.79	1851	15	347	57	47	209	28	412	74	79	207	28
QBD040A	350 MCM CU	345	18-#12	0.664	1.41	1.50	1.92	2353	16	412	42	45	152	26	466	62	70	151	26
QBE040A	500 MCM CU	345	17-#10	0.794	1.54	1.66	2.12	3164	17	485	32	43	104	24	519	53	59	103	24
QBF040A	750 MCM CU	345	20-#9	0.974	1.73	1.85	2.34	4373	19	565	25	39	71	22	585	44	47	71	22
QBG040A	1000 MCM CU	345	21-#8	1.124	1.88	2.00	2.52	5562	21	614	23	36	53	20	639	38	39	53	20

†Ampacities are based on the following:

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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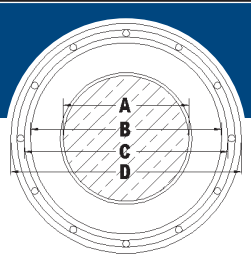

TRXLPE SUPERDRI™

35kV 133%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
35kV 133% Aluminum Single Phase – Full Neutral																			
QCP050A	1/0 SOLID AL	420	16-#14	0.325	1.22	1.31	1.64	1002	14	172	415	35	415	35	222	415	35	415	35
QCQ050A	1/0 AWG AL	420	16-#14	0.364	1.26	1.35	1.67	1041	14	173	420	34	420	34	223	420	34	420	34
QCR050A	2/0 AWG AL	420	13-#12	0.408	1.30	1.39	1.81	1236	15	199	328	32	328	33	255	328	32	328	33
QCS050A	3/0 AWG AL	420	16-#12	0.458	1.35	1.44	1.86	1373	15	226	263	31	263	31	290	263	31	263	31
QCT050A	4/0 AWG AL	420	13-#10	0.515	1.41	1.50	1.96	1565	16	259	207	29	207	30	329	207	29	207	29
QCU050A	250 MCM AL	420	16-#10	0.561	1.46	1.55	2.02	1765	17	287	171	28	171	28	364	171	28	171	28
QCV050A	350 MCM AL	420	16-#9	0.664	1.57	1.68	2.17	2139	18	341	130	26	130	26	431	130	26	130	26
35kV 133% Aluminum Three Phase – One-Third Neutral																			
QCP040A	1/0 SOLID AL	420	6-#14	0.325	1.22	1.31	1.64	871	14	170	207	55	744	35	221	214	98	728	35
QCQ040A	1/0 AWG AL	420	6-#14	0.364	1.26	1.35	1.67	911	14	170	212	54	750	34	221	219	96	735	34
QCR040A	2/0 AWG AL	420	7-#14	0.408	1.30	1.39	1.78	1051	15	194	168	52	630	32	251	176	93	618	32
QCS040A	3/0 AWG AL	420	9-#14	0.458	1.35	1.44	1.83	1151	15	220	133	50	493	31	283	143	90	484	31
QCT040A	4/0 AWG AL	420	11-#14	0.515	1.41	1.50	1.89	1268	16	250	106	48	401	29	317	118	86	395	29
QCU040A	250 MCM AL	420	13-#14	0.561	1.46	1.55	1.94	1384	16	274	91	48	340	28	342	103	83	335	28
QCV040A	350 MCM AL	420	18-#14	0.664	1.57	1.68	2.07	1680	17	328	66	45	245	25	398	81	77	243	25
QCW040A	500 MCM AL	420	16-#12	0.794	1.70	1.81	2.24	2046	18	395	48	43	173	24	457	65	69	171	24
QCX040A	750 MCM AL	420	24-#12	0.974	1.88	2.00	2.42	2633	20	479	34	40	116	21	522	54	59	115	21
QCY040A	1000 MCM AL	420	20-#10	1.124	2.03	2.15	2.62	3183	21	541	28	38	88	20	569	47	51	88	20

†Ampacities are based on the following:

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

Single Phase Operation (Full Neutral Design)

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

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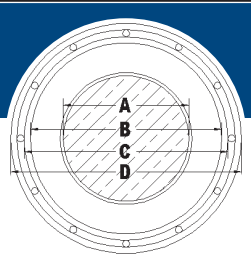

TRXLPE SUPERDRI™ 35kV 133%

Product Number	Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in.) (A)	Insulation Diameter (in.) (B)	Insulation Shield Diameter (in.) (C)	Jacket Diameter (in.) (D)	Cable Weight (lbs/kft)	Minimum Bending Radius (in.)	90°C In Duct †Ampacity (Amps)	90°C In Duct +/- Sequence Impedance Resistance (μΩ/ft)	90°C In Duct +/- Sequence Impedance Reactance (μΩ/ft)	90°C In Duct Zero Sequence Impedance Resistance (μΩ/ft)††	90°C In Duct Zero Sequence Impedance Reactance (μΩ/ft)††	90°C Direct Buried †Ampacity (Amps)	90°C Direct Buried +/- Sequence Impedance Resistance (μΩ/ft)	90°C Direct Buried +/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried Zero Sequence Impedance Resistance (μΩ/ft)††	90°C Direct Buried Zero Sequence Impedance Reactance (μΩ/ft)††
35kV 133% Copper Single Phase – Full Neutral																			
QC7050A	1/0 SOLID CU	420	16-#12	0.325	1.22	1.31	1.67	1353	14	220	256	36	256	36	284	256	36	256	36
QC8050A	1/0 AWG CU	420	16-#12	0.364	1.26	1.35	1.77	1458	15	222	258	34	258	35	286	258	34	258	35
QC9050A	2/0 AWG CU	420	13-#10	0.408	1.30	1.39	1.85	1681	15	255	203	33	203	33	327	203	33	203	33
QCA050A	3/0 AWG CU	420	16-#10	0.458	1.35	1.44	1.90	1927	16	289	163	31	163	31	370	163	31	163	31
QCB050A	4/0 AWG CU	420	16-#9	0.515	1.41	1.50	1.99	2250	16	329	130	30	130	30	418	130	30	130	30
35kV 133% Copper Three Phase – One-Third Neutral																			
QC7040A	1/0 SOLID CU	420	9-#14	0.325	1.22	1.31	1.64	1133	14	218	126	55	484	35	280	137	97	474	35
QC8040A	1/0 AWG CU	420	9-#14	0.364	1.26	1.35	1.67	1172	14	219	129	54	487	34	281	139	95	478	34
QC9040A	2/0 AWG CU	420	11-#14	0.408	1.30	1.39	1.78	1384	15	248	103	52	396	32	315	115	92	389	32
QCA040A	3/0 AWG CU	420	14-#14	0.458	1.35	1.44	1.83	1570	15	281	82	50	313	31	351	96	87	308	31
QCB040A	4/0 AWG CU	420	18-#14	0.515	1.41	1.50	1.89	1804	16	318	66	48	245	29	387	83	83	242	29
QCC040A	250 MCM CU	420	21-#14	0.561	1.46	1.55	1.94	2019	16	347	57	47	209	28	412	74	79	207	28
QCD040A	350 MCM CU	420	18-#12	0.664	1.57	1.68	2.11	2574	17	412	42	45	152	26	466	62	70	151	26
QCE040A	500 MCM CU	420	17-#10	0.794	1.70	1.81	2.28	3358	19	485	32	43	104	24	519	53	59	103	24
QCF040A	750 MCM CU	420	20-#9	0.974	1.88	2.00	2.49	4585	20	565	25	39	71	22	585	44	47	71	22
QCG040A	1000 MCM CU	420	21-#8	1.124	2.03	2.15	2.67	5788	22	614	23	36	53	20	639	38	39	53	20

†Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

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

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

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

Three Phase Operation (1/3 Neutral Design)

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

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

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

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

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

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