5-46kV EPR **SUPERDRI™**

Medium Voltage Utility Cables

DESCRIPTION

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

SPECIFICATIONS AND RATINGS

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

For 105°C continuous, 140°C emergency, 250°C short-circuit operation.

OPTIONS

- Black LLDPE jacket with no stripes
- Multiplex cables
- Tinned round and flat strap neutrals
- Compact stranded conductors
- UL MV-90 rating if required
- 46kV
- USDA Bulletin 1728-U1 as applicable

INSTALLATION

- Conduit In Air
- Underground Duct
- Wet Locations
- With Messenger
- Direct Buried
- Isolated In Air
- Dry Locations
- 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 strength EPROTENAX™ EPR-based insulation, combined with other materials and agents that enhance the electrical and mechanical characteristics assuring extended cable life.

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

METALLIC SHIELD: Solid bare copper wires, helically applied and uniformly spaced.

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

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

JACKET: Sleeved, black, insulating, sunlight resistant, linear low density polyethylene encapsulating the neutral wires with three extruded red stripes and NESC lightning bolt symbol.

Prysmian
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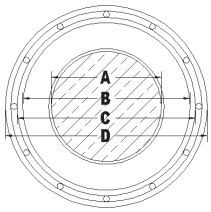
na.prysmian.com
PDN-0030-0725

5kV EPR **SUPERDRI™**

100% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
5KV 100% Aluminum Single Phase - Full Neutral																			
QJL050A	2 SOLID AL	90	10-#14	0.258	0.49	0.56	0.85	357	7	134	694	24	694	25	192	694	24	694	25
QJM050A	2 AWG AL	90	10-#14	0.284	0.51	0.58	0.91	395	8	136	701	25	701	25	191	701	25	701	25
QJN050A	1 SOLID AL	90	13-#14	0.289	0.52	0.59	0.92	445	8	154	542	23	542	23	217	542	23	542	2
QJO050A	1 AWG AL	90	13-#14	0.324	0.55	0.62	0.95	465	8	156	547	22	547	22	218	547	22	547	22
QJP050A	1/0 SOLID AL	90	16-#14	0.325	0.56	0.63	0.95	516	8	175	435	22	435	22	246	435	22	435	22
QJQ050A	1/0 AWG AL	90	16-#14	0.364	0.59	0.66	0.99	541	8	177	440	21	440	21	247	440	21	440	21
QJR050A	2/0 AWG AL	90	13-#12	0.408	0.64	0.71	1.07	649	9	205	343	21	343	20	284	343	21	343	20
QJS050A	3/0 AWG AL	90	16-#12	0.458	0.69	0.76	1.12	764	9	233	275	20	275	19	322	275	20	275	19
QJT050A	4/0 AWG AL	90	13-#10	0.515	0.75	0.82	1.22	930	10	270	220	19	216	19	369	216	19	216	19
QJU050A	250 MCM AL	90	16-#10	0.561	0.80	0.87	1.27	1105	11	301	179	18	179	18	408	179	18	179	18
QJV050A	350 MCM AL	90	16-#9	0.664	0.90	0.97	1.40	1389	12	358	136	17	136	17	481	136	17	136	17
5KV 100% Aluminum Three Phase - One-Third Neutral																			
QJL040A	2 SOLID AL	90	6-#14	0.258	0.49	0.56	0.85	305	7	136	344	47	914	25	198	355	103	899	25
QJM040A	2 AWG AL	90	6-#14	0.284	0.51	0.58	0.91	343	8	138	351	48	922	25	197	361	102	907	25
QJN040A	1 SOLID AL	90	6-#14	0.289	0.52	0.59	0.92	353	8	156	273	46	844	23	223	284	100	830	23
QJO040A	1 AWG AL	90	6-#14	0.324	0.55	0.62	0.95	374	8	157	279	45	850	22	223	288	98	837	22
QJP040A	1/0 SOLID AL	90	6-#14	0.325	0.56	0.63	0.95	386	8	178	217	44	789	22	252	227	98	776	22
QJQ040A	1/0 AWG AL	90	6-#14	0.364	0.59	0.66	0.99	410	8	178	222	44	795	21	252	231	96	783	21
QJR040A	2/0 AWG AL	90	7-#14	0.408	0.64	0.71	1.04	467	9	203	176	42	668	20	284	187	93	658	20
QJS040A	3/0 AWG AL	90	9-#14	0.458	0.69	0.76	1.09	545	9	232	140	40	522	19	319	152	89	516	19
QJT040A	4/0 AWG AL	90	11-#14	0.515	0.75	0.82	1.14	637	10	264	112	39	425	18	356	126	85	420	18
QJU040A	250 MCM AL	90	13-#14	0.561	0.80	0.87	1.20	729	10	290	95	38	360	17	383	111	82	356	17
QJV040A	350 MCM AL	90	18-#14	0.664	0.90	0.97	1.30	937	11	348	69	36	260	15	439	88	75	258	15
QJW040A	500 MCM AL	90	16-#12	0.794	1.03	1.12	1.48	1261	12	423	50	35	182	15	498	72	67	182	15
QJX040A	750 MCM AL	90	24-#12	0.974	1.22	1.31	1.67	1765	14	513	36	33	122	14	559	29	55	122	14
QJY040A	1000 MCM AL	90	20-#10	1.124	1.37	1.46	1.92	2319	16	580	30	32	93	13	606	52	46	92	13

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, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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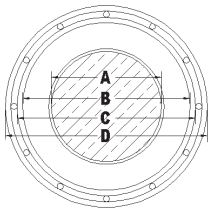
5kV EPR **SUPERDRI™**

100% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
5KV 100% Copper Single Phase - Full Neutral																			
QJ3050A	2 SOLID CU	90	16-#14	0.258	0.49	0.56	0.85	574	7	171	427	25	427	25	245	427	25	427	25
QJ4050A	2 AWG CU	90	16-#14	0.284	0.51	0.58	0.91	612	8	173	431	25	431	25	243	431	25	431	25
QJ5050A	1 SOLID CU	90	13-#12	0.289	0.52	0.59	0.95	723	8	199	333	24	333	24	279	333	24	333	24
QJ6050A	1 AWG CU	90	13-#12	0.324	0.55	0.62	0.99	745	8	201	337	23	337	23	280	337	23	337	23
QJ7050A	1/0 SOLID CU	90	16-#12	0.325	0.56	0.63	0.99	866	8	226	268	23	268	22	315	268	23	268	22
QJ8050A	1/0 AWG CU	90	16-#12	0.364	0.59	0.66	1.03	890	9	228	270	22	270	22	317	270	22	270	22
QJ9050A	2/0 AWG CU	90	13-#10	0.408	0.64	0.71	1.11	1092	9	264	212	22	212	21	364	212	22	212	21
QJA050A	3/0 AWG CU	90	16-#10	0.458	0.69	0.76	1.16	1316	10	300	170	20	170	20	411	170	20	170	20
QJB050A	4/0 AWG CU	90	16-#9	0.515	0.75	0.82	1.24	1613	10	344	136	20	136	19	468	136	20	136	19
5KV 100% Copper Three Phase - One-Third Neutral																			
QJ3040A	2 SOLID CU	90	6-#14	0.258	0.49	0.56	0.85	444	7	175	209	47	779	25	252	219	103	764	25
QJ4040A	2 AWG CU	90	6-#14	0.284	0.51	0.58	0.91	482	8	177	213	48	784	25	251	223	102	770	25
QJ5040A	1 SOLID CU	90	7-#14	0.289	0.52	0.59	0.92	541	8	201	166	46	655	23	283	178	100	644	23
QJ6040A	1 AWG CU	90	7-#14	0.324	0.55	0.62	0.95	563	8	201	170	45	660	22	283	181	98	649	22
QJ7040A	1/0 SOLID CU	90	9-#14	0.325	0.56	0.63	0.95	648	8	228	132	44	513	22	316	146	96	505	22
QJ8040A	1/0 AWG CU	90	9-#14	0.364	0.59	0.66	0.99	672	8	229	135	43	516	21	317	149	94	509	21
QJ9040A	2/0 AWG CU	90	11-#14	0.408	0.64	0.71	1.04	799	9	260	108	42	420	20	353	123	90	414	20
QJA040A	3/0 AWG CU	90	14-#14	0.458	0.69	0.76	1.09	964	9	296	86	40	331	19	390	105	86	328	19
QJB040A	4/0 AWG CU	90	18-#14	0.515	0.75	0.82	1.14	1173	10	335	69	39	259	18	426	91	80	257	18
QJC040A	250 MCM CU	90	21-#14	0.561	0.80	0.87	1.20	1364	10	367	59	38	222	17	452	82	76	220	17
QJD040A	350 MCM CU	90	18-#12	0.664	0.90	0.97	1.33	1829	11	438	44	36	161	16	504	69	66	160	16
QJE040A	500 MCM CU	90	17-#10	0.794	1.03	1.12	1.53	2571	13	518	34	35	109	15	556	59	54	109	15
QJF040A	750 MCM CU	90	20-#9	0.974	1.22	1.31	1.80	3780	15	603	27	32	75	14	620	49	41	74	14
QJG040A	1000 MCM CU	90	21-#8	1.124	1.37	1.46	1.98	4923	16	655	24	30	56	13	679	42	33	56	13

PRODUCT NOTES:

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

[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.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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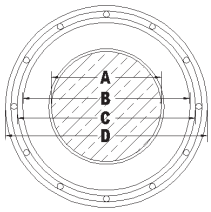
5kV EPR **SUPERDRI™**

133% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
5KV 133% Aluminum Single Phase - Full Neutral																			
QKL050A	2 SOLID AL	115	10-#14	0.258	0.54	0.61	0.94	407	8	134	694	24	694	25	192	694	24	694	25
QKM050A	2 AWG AL	115	10-#14	0.284	0.56	0.63	0.96	425	8	136	701	25	701	25	191	701	25	701	25
QKN050A	1 SOLID AL	115	13-#14	0.289	0.57	0.64	0.97	474	8	154	542	23	542	23	217	542	23	542	23
QKO050A	1 AWG AL	115	13-#14	0.324	0.60	0.67	1.00	496	9	156	547	22	547	22	218	547	22	547	22
QKP050A	1/0 SOLID AL	115	16-#14	0.325	0.61	0.68	1.00	548	9	175	435	22	435	22	246	435	22	435	22
QKQ050A	1/0 AWG AL	115	16-#14	0.364	0.64	0.71	1.04	573	9	177	440	21	440	21	247	440	21	440	21
QKR050A	2/0 AWG AL	115	13-#12	0.408	0.69	0.76	1.12	684	9	205	343	21	343	20	284	343	21	343	20
QKS050A	3/0 AWG AL	115	16-#12	0.458	0.74	0.81	1.17	801	10	233	275	20	275	19	322	275	20	275	19
QKT050A	4/0 AWG AL	115	13-#10	0.515	0.80	0.87	1.27	968	11	270	220	19	216	19	369	216	19	216	19
QKU050A	250 MCM AL	115	16-#10	0.561	0.85	0.92	1.32	1146	11	301	179	18	179	18	408	179	18	179	18
QKV050A	350 MCM AL	115	16-#9	0.664	0.95	1.02	1.45	1434	12	358	136	17	136	17	481	136	17	136	17
5KV 133% Aluminum Three Phase - One-Third Neutral																			
QKL040A	2 SOLID AL	115	6-#14	0.258	0.54	0.61	0.94	355	8	136	344	47	914	25	198	355	103	899	25
QKM040A	2 AWG AL	115	6-#14	0.284	0.56	0.63	0.96	373	8	138	351	48	922	25	197	361	102	907	25
QKN040A	1 SOLID AL	115	6-#14	0.289	0.57	0.64	0.97	383	8	156	273	46	844	23	223	284	100	830	23
QKO040A	1 AWG AL	115	6-#14	0.324	0.60	0.67	1.00	405	9	157	279	45	850	22	223	288	98	837	22
QKP040A	1/0 SOLID AL	115	6-#14	0.325	0.61	0.68	1.00	417	9	178	217	44	789	22	252	227	98	776	22
QKQ040A	1/0 AWG AL	115	6-#14	0.364	0.64	0.71	1.04	443	9	178	222	44	795	21	252	231	96	783	21
QKR040A	2/0 AWG AL	115	7-#14	0.408	0.69	0.76	1.09	501	9	203	176	42	668	20	284	187	93	658	20
QKS040A	3/0 AWG AL	115	9-#14	0.458	0.74	0.81	1.14	582	10	232	140	40	522	19	319	152	89	516	19
QKT040A	4/0 AWG AL	115	11-#14	0.515	0.80	0.87	1.19	675	10	264	112	39	425	18	356	126	85	420	18
QKU040A	250 MCM AL	115	13-#14	0.561	0.85	0.92	1.25	770	10	290	95	38	360	17	383	111	82	356	17
QKV040A	350 MCM AL	115	18-#14	0.664	0.95	1.02	1.35	981	11	348	69	36	260	15	439	88	75	258	15
QKW040A	500 MCM AL	115	16-#12	0.794	1.08	1.17	1.53	1312	13	423	50	35	182	15	498	72	67	182	15
QKX040A	750 MCM AL	115	24-#12	0.974	1.27	1.36	1.78	1890	15	513	36	33	122	14	559	29	55	122	14
QKY040A	1000 MCM AL	115	20-#10	1.124	1.42	1.51	1.97	2385	16	580	30	32	93	13	606	52	46	92	13

PRODUCT NOTES:

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

[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.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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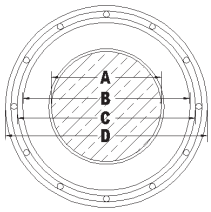
5kV EPR **SUPERDRI™**

133% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
5KV 133% Copper Single Phase - Full Neutral																			
QK3050A	2 SOLID CU	115	16-#14	0.258	0.54	0.61	0.94	624	8	171	427	25	427	25	245	427	25	427	25
QK4050A	2 AWG CU	115	16-#14	0.284	0.56	0.63	0.96	642	8	173	431	25	431	25	243	431	25	431	25
QK5050A	1 SOLID CU	115	13-#12	0.289	0.57	0.64	1.00	753	9	199	333	24	333	24	279	333	24	333	24
QK6050A	1 AWG CU	115	13-#12	0.324	0.60	0.67	1.04	777	9	201	337	23	337	23	280	337	23	337	23
QK7050A	1/0 SOLID CU	115	16-#12	0.325	0.61	0.68	1.04	897	9	226	268	23	268	22	315	268	23	268	22
QK8050A	1/0 AWG CU	115	16-#12	0.364	0.64	0.71	1.08	923	9	228	270	22	270	22	317	270	22	270	22
QK9050A	2/0 AWG CU	115	13-#10	0.408	0.69	0.76	1.16	1126	10	264	212	22	212	21	364	212	22	212	21
QKA050A	3/0 AWG CU	115	16-#10	0.458	0.74	0.81	1.21	1353	10	300	170	20	170	20	411	170	20	170	20
QKB050A	4/0 AWG CU	115	16-#9	0.515	0.80	0.87	1.29	1652	11	344	136	20	136	19	468	136	20	136	19
5KV 133% Copper Three Phase - One-Third Neutral																			
QK3040A	2 SOLID CU	115	6-#14	0.258	0.54	0.61	0.94	494	8	175	209	47	779	25	252	219	103	764	25
QK4040A	2 AWG CU	115	6-#14	0.284	0.56	0.63	0.96	512	8	177	213	48	784	25	251	223	102	770	25
QK5040A	1 SOLID CU	115	7-#14	0.289	0.57	0.64	0.97	571	8	201	166	46	655	23	283	178	100	644	23
QK6040A	1 AWG CU	115	7-#14	0.324	0.60	0.67	1.00	594	9	201	170	45	660	22	283	181	98	649	22
QK7040A	1/0 SOLID CU	115	9-#14	0.325	0.61	0.68	1.00	679	9	228	132	44	513	22	316	146	96	505	22
QK8040A	1/0 AWG CU	115	9-#14	0.364	0.64	0.71	1.04	704	9	229	135	43	516	21	317	149	94	509	21
QK9040A	2/0 AWG CU	115	11-#14	0.408	0.69	0.76	1.09	833	9	260	108	42	420	20	353	123	90	414	20
QKA040A	3/0 AWG CU	115	14-#14	0.458	0.74	0.81	1.14	1000	10	296	86	40	331	19	390	105	86	328	19
QKB040A	4/0 AWG CU	115	18-#14	0.515	0.80	0.87	1.19	1212	10	335	69	39	259	18	426	91	80	257	18
QKC040A	250 MCM CU	115	21-#14	0.561	0.85	0.92	1.25	1405	10	367	59	38	222	17	452	82	76	220	17
QKD040A	350 MCM CU	115	18-#12	0.664	0.95	1.02	1.38	1874	12	438	44	36	161	16	504	69	66	160	16
QKE040A	500 MCM CU	115	17-#10	0.794	1.08	1.17	1.58	2622	13	518	34	35	109	15	556	59	54	109	15
QKF040A	750 MCM CU	115	20-#9	0.974	1.27	1.36	1.85	3841	15	603	27	32	75	14	620	49	41	74	14
QKG040A	1000 MCM CU	115	21-#8	1.124	1.42	1.51	2.03	4989	17	655	24	30	56	13	679	42	33	56	13

PRODUCT NOTES:

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

[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.

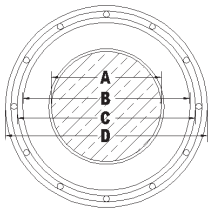
‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

Prysmian
4 Tesseneer Drive, Highland Heights, KY 41076
na.prysmian.com
PDN-0030-0725

15kV EPR **SUPERDRI™**

100% Medium Voltage Utility Cables

prysmian



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
15KV 100% Aluminum Single Phase - Full Neutral																			
QML050A	2 SOLID AL	175	10-#14	0.258	0.66	0.73	1.06	484	9	139	694	29	694	30	188	694	29	694	30
QMM050A	2 AWG AL	175	10-#14	0.284	0.68	0.75	1.08	504	9	139	701	30	701	31	189	701	30	701	31
QMN050A	1 SOLID AL	175	13-#14	0.289	0.69	0.76	1.09	554	9	159	542	28	542	29	215	542	28	542	29
QMO050A	1 AWG AL	175	13-#14	0.324	0.72	0.79	1.12	579	9	160	547	27	547	28	216	547	27	547	28
QMP050A	1/0 SOLID AL	175	16-#14	0.325	0.73	0.80	1.12	631	9	180	435	27	435	27	243	435	27	435	27
QMQ050A	1/0 AWG AL	175	16-#14	0.364	0.76	0.83	1.16	660	10	181	440	26	440	26	244	440	26	440	26
QMR050A	2/0 AWG AL	175	13-#12	0.408	0.81	0.88	1.24	775	10	210	343	25	343	25	281	343	25	343	25
QMS050A	3/0 AWG AL	175	16-#12	0.458	0.86	0.93	1.29	896	11	238	275	24	275	24	318	275	24	275	24
QMT050A	4/0 AWG AL	175	13-#10	0.515	0.92	0.99	1.39	1069	12	275	216	23	216	23	365	216	23	216	23
QMU050A	250 MCM AL	175	16-#10	0.561	0.97	1.04	1.44	1253	12	306	179	22	179	22	404	179	22	179	22
QMV050A	350 MCM AL	175	16-#9	0.664	1.07	1.16	1.59	1572	13	364	136	21	136	20	476	136	21	136	20
15KV 100% Aluminum Three Phase - One-Third Neutral																			
QML040A	2 SOLID AL	175	6-#14	0.258	0.66	0.73	1.06	432	9	140	344	52	909	30	192	354	103	890	30
QMM040A	2 AWG AL	175	6-#14	0.284	0.68	0.75	1.08	452	9	140	351	52	916	31	192	360	103	899	31
QMN040A	1 SOLID AL	175	6-#14	0.289	0.69	0.76	1.09	463	9	159	273	50	839	29	218	282	100	821	29
QMO040A	1 AWG AL	175	6-#14	0.324	0.72	0.79	1.12	487	9	160	279	49	845	28	218	287	99	829	28
QMP040A	1/0 SOLID AL	175	6-#14	0.325	0.73	0.80	1.12	500	9	181	217	49	783	27	247	225	98	767	27
QMQ040A	1/0 AWG AL	175	6-#14	0.364	0.76	0.83	1.16	529	10	181	222	47	790	26	247	230	96	774	26
QMR040A	2/0 AWG AL	175	7-#14	0.408	0.81	0.88	1.21	592	10	206	176	46	663	25	279	185	93	651	25
QMS040A	3/0 AWG AL	175	9-#14	0.458	0.86	0.93	1.26	677	11	235	139	44	519	24	314	151	89	510	24
QMT040A	4/0 AWG AL	175	11-#14	0.515	0.92	0.99	1.31	776	11	267	112	42	422	23	351	125	86	416	23
QMU040A	250 MCM AL	175	13-#14	0.561	0.97	1.04	1.37	876	11	293	95	41	357	21	379	109	83	353	21
QMV040A	350 MCM AL	175	18-#14	0.664	1.07	1.16	1.49	1118	12	352	69	39	258	19	437	86	76	255	19
QMW040A	500 MCM AL	175	16-#12	0.794	1.20	1.29	1.65	1442	14	426	50	37	182	18	499	70	68	180	18
QMX040A	750 MCM AL	175	24-#12	0.974	1.39	1.48	1.90	2042	16	517	36	35	122	16	563	58	56	121	16
QMY040A	1000 MCM AL	175	20-#10	1.124	1.54	1.66	2.12	2596	17	586	29	34	92	16	612	50	48	92	16

PRODUCT NOTES:

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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.

[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.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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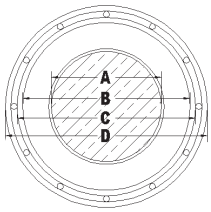
15kV EPR **SUPERDRI™**

100% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
15KV 100% Copper Single Phase - Full Neutral																			
QM3050A	2 SOLID CU	175	16-#14	0.258	0.66	0.73	1.06	701	9	177	427	31	427	30	240	427	31	427	30
QM4050A	2 AWG CU	175	16-#14	0.284	0.68	0.75	1.08	721	9	178	431	31	431	31	241	431	31	431	31
QM5050A	1 SOLID CU	175	13-#12	0.289	0.69	0.76	1.12	833	9	204	333	29	333	29	275	333	29	333	29
QM6050A	1 AWG CU	175	13-#12	0.324	0.72	0.79	1.16	859	10	206	337	28	337	28	277	337	28	337	28
QM7050A	1/0 SOLID CU	175	16-#12	0.325	0.73	0.80	1.16	981	10	232	268	28	268	28	312	268	28	268	28
QM8050A	1/0 AWG CU	175	16-#12	0.364	0.76	0.83	1.20	1010	10	233	270	27	270	27	314	270	27	270	27
QM9050A	2/0 AWG CU	175	13-#10	0.408	0.81	0.88	1.28	1217	11	270	212	26	212	26	360	212	26	212	26
QMA050A	3/0 AWG CU	175	16-#10	0.458	0.86	0.93	1.33	1449	11	306	170	25	170	24	407	170	25	170	24
QMB050A	4/0 AWG CU	175	16-#9	0.515	0.92	0.99	1.41	1753	12	350	136	23	136	23	463	136	23	136	23
15KV 100% Copper Three Phase - One-Third Neutral																			
QM3040A	2 SOLID CU	175	6-#14	0.258	0.66	0.73	1.06	571	9	180	209	52	773	30	245	218	103	755	30
QM4040A	2 AWG CU	175	6-#14	0.284	0.68	0.75	1.08	591	9	180	213	52	778	31	245	222	103	761	31
QM5040A	1 SOLID CU	175	7-#14	0.289	0.69	0.76	1.09	650	9	204	166	50	650	29	277	176	100	636	29
QM6040A	1 AWG CU	175	7-#14	0.324	0.72	0.79	1.12	677	9	205	170	49	655	28	277	180	98	642	28
QM7040A	1/0 SOLID CU	175	9-#14	0.325	0.73	0.80	1.12	762	9	232	132	49	509	27	310	145	96	499	27
QM8040A	1/0 AWG CU	175	9-#14	0.364	0.76	0.83	1.16	791	10	233	135	47	513	26	311	147	95	503	26
QM9040A	2/0 AWG CU	175	11-#14	0.408	0.81	0.88	1.21	924	10	264	108	46	417	25	348	122	91	410	25
QMA040A	3/0 AWG CU	175	14-#14	0.458	0.86	0.93	1.26	1096	11	300	86	44	329	23	386	103	86	324	23
QMB040A	4/0 AWG CU	175	18-#14	0.515	0.92	0.99	1.31	1312	11	340	69	42	258	22	423	88	81	255	22
QMC040A	250 MCM CU	175	21-#14	0.561	0.97	1.04	1.37	1511	11	372	59	41	220	21	451	80	77	218	21
QMD040A	350 MCM CU	175	18-#12	0.664	1.07	1.16	1.52	2010	13	443	44	39	160	20	507	67	68	159	20
QME040A	500 MCM CU	175	17-#10	0.794	1.20	1.29	1.70	2752	14	524	34	37	109	18	561	58	56	108	18
QMF040A	750 MCM CU	175	20-#9	0.974	1.39	1.48	1.97	3993	16	610	27	35	74	17	627	48	44	74	17
QMG040A	1000 MCM CU	175	21-#8	1.124	1.54	1.66	2.18	5200	18	665	23	32	56	16	686	41	35	56	16

PRODUCT NOTES:

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

[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.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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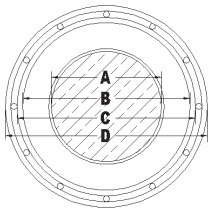
PDN-0030-0725

15kV EPR **SUPERDRI™**

133% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
15KV 133% Aluminum Single Phase - Full Neutral																			
QNL050A	2 SOLID AL	220	10-#14	0.258	0.75	0.82	1.15	549	10	139	694	29	694	30	188	694	29	694	30
QNM050A	2 AWG AL	220	10-#14	0.284	0.77	0.84	1.17	570	10	139	701	30	701	31	189	701	30	701	31
QNN050A	1 SOLID AL	220	13-#14	0.289	0.78	0.85	1.18	621	10	159	542	28	542	29	215	542	28	542	29
QNO050A	1 AWG AL	220	13-#14	0.324	0.81	0.88	1.21	648	10	160	547	27	547	28	216	547	27	547	28
QNP050A	1/0 SOLID AL	220	16-#14	0.325	0.82	0.89	1.21	700	10	180	435	27	435	27	243	435	27	435	27
QNQ050A	1/0 AWG AL	220	16-#14	0.364	0.85	0.92	1.25	732	11	181	440	26	440	26	244	440	26	440	26
QNR050A	2/0 AWG AL	220	13-#12	0.408	0.90	0.97	1.33	850	11	210	343	25	343	25	281	343	25	343	25
QNS050A	3/0 AWG AL	220	16-#12	0.458	0.95	1.02	1.38	975	12	238	275	24	275	24	318	275	24	275	24
QNT050A	4/0 AWG AL	220	13-#10	0.515	1.01	1.08	1.48	1152	12	275	216	23	216	23	365	216	23	216	23
QNU050A	250 MCM AL	220	16-#10	0.561	1.06	1.15	1.55	1360	13	306	179	22	179	22	404	179	22	179	22
QNV050A	350 MCM AL	220	16-#9	0.664	1.16	1.25	1.68	1667	14	364	136	21	136	20	479	136	21	136	20
15KV 133% Aluminum Three Phase - One-Third Neutral																			
QNL040A	2 SOLID AL	220	6-#14	0.258	0.75	0.82	1.15	497	10	140	344	52	909	30	192	354	103	890	30
QNM040A	2 AWG AL	220	6-#14	0.284	0.77	0.84	1.17	518	10	140	351	52	916	31	192	360	103	899	31
QNN040A	1 SOLID AL	220	6-#14	0.289	0.78	0.85	1.18	529	10	159	273	50	839	29	218	282	100	821	29
QNO040A	1 AWG AL	220	6-#14	0.324	0.81	0.88	1.21	557	10	160	279	49	845	28	218	287	99	829	28
QNP040A	1/0 SOLID AL	220	6-#14	0.325	0.82	0.89	1.21	570	10	181	217	49	783	27	247	225	98	767	27
QNQ040A	1/0 AWG AL	220	6-#14	0.364	0.85	0.92	1.25	602	11	181	222	47	790	26	247	230	96	774	26
QNR040A	2/0 AWG AL	220	7-#14	0.408	0.90	0.97	1.30	667	11	206	176	46	663	25	279	185	93	651	25
QNS040A	3/0 AWG AL	220	9-#14	0.458	0.95	1.02	1.35	756	11	235	139	44	519	24	314	151	89	510	24
QNT040A	4/0 AWG AL	220	11-#14	0.515	1.01	1.08	1.40	859	12	267	112	42	422	23	351	125	86	416	23
QNU040A	250 MCM AL	220	13-#14	0.561	1.06	1.15	1.48	983	12	293	95	41	357	21	379	109	83	353	21
QNV040A	350 MCM AL	220	18-#14	0.664	1.16	1.25	1.58	1213	13	352	69	39	258	19	437	86	76	255	19
QNW040A	500 MCM AL	220	16-#12	0.794	1.29	1.38	1.80	1614	15	426	50	37	182	18	499	70	68	180	18
QNX040A	750 MCM AL	220	24-#12	0.974	1.48	1.57	1.99	2163	16	517	36	35	122	16	563	58	56	121	16
QNY040A	1000 MCM AL	220	20-#10	1.124	1.63	1.75	2.21	2730	18	586	29	34	92	16	612	50	48	92	16

PRODUCT NOTES:

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

[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.

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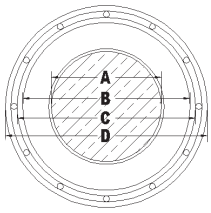
15kV EPR **SUPERDRI™**

133% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
15KV 133% Copper Single Phase - Full Neutral																			
QN3050A	2 SOLID CU	220	16-#14	0.258	0.75	0.82	1.15	766	10	177	427	31	427	30	240	427	31	427	30
QN4050A	2 AWG CU	220	16-#14	0.284	0.77	0.84	1.17	788	10	178	431	31	431	31	241	431	31	431	31
QN5050A	1 SOLID CU	220	13-#12	0.289	0.78	0.85	1.21	900	10	204	333	29	333	29	275	333	29	333	29
QN6050A	1 AWG CU	220	13-#12	0.324	0.81	0.88	1.25	929	10	206	337	28	337	28	277	337	28	337	28
QN7050A	1/0 SOLID CU	220	16-#12	0.325	0.82	0.89	1.25	1050	10	232	268	28	268	28	312	268	28	268	28
QN8050A	1/0 AWG CU	220	16-#12	0.364	0.85	0.92	1.29	1082	11	233	270	27	270	27	314	270	27	270	27
QN9050A	2/0 AWG CU	220	13-#10	0.408	0.90	0.97	1.37	1293	11	270	212	26	212	26	360	212	26	212	26
QNA050A	3/0 AWG CU	220	16-#10	0.458	0.95	1.02	1.42	1528	12	306	170	25	170	24	407	170	25	170	24
QNB050A	4/0 AWG CU	220	16-#9	0.515	1.01	1.08	1.50	1837	13	350	136	23	136	23	463	136	23	136	23
15KV 133% Copper Three Phase - One-Third Neutral																			
QN3040A	2 SOLID CU	220	6-#14	0.258	0.75	0.82	1.15	636	10	180	209	52	773	30	245	218	103	755	30
QN4040A	2 AWG CU	220	6-#14	0.284	0.77	0.84	1.17	657	10	180	213	52	778	31	245	222	103	761	31
QN5040A	1 SOLID CU	220	7-#14	0.289	0.78	0.85	1.18	717	10	204	166	50	650	29	277	176	100	636	29
QN6040A	1 AWG CU	220	7-#14	0.324	0.81	0.88	1.21	746	10	205	170	49	655	28	277	180	98	642	28
QN7040A	1/0 SOLID CU	220	9-#14	0.325	0.82	0.89	1.21	831	10	232	132	49	509	27	310	145	96	499	27
QN8040A	1/0 AWG CU	220	9-#14	0.364	0.85	0.92	1.25	863	11	233	135	47	513	26	311	147	95	503	26
QN9040A	2/0 AWG CU	220	11-#14	0.408	0.90	0.97	1.30	999	11	264	108	46	417	25	348	122	91	410	25
QNA040A	3/0 AWG CU	220	14-#14	0.458	0.95	1.02	1.35	1175	11	300	86	44	329	23	386	103	86	324	23
QNB040A	4/0 AWG CU	220	18-#14	0.515	1.01	1.08	1.40	1395	12	340	69	42	258	22	423	88	81	255	22
QNC040A	250 MCM CU	220	21-#14	0.561	1.06	1.15	1.48	1618	12	372	59	41	220	21	451	80	77	218	21
QND040A	350 MCM CU	220	18-#12	0.664	1.16	1.25	1.61	2106	13	443	44	39	160	20	507	67	68	159	20
QNE040A	500 MCM CU	220	17-#10	0.794	1.29	1.38	1.85	2926	15	524	34	37	109	18	561	58	56	108	18
QNF040A	750 MCM CU	220	20-#9	0.974	1.48	1.57	2.06	4114	17	610	27	35	74	17	627	48	44	74	17
QNG040A	1000 MCM CU	220	21-#8	1.124	1.63	1.75	2.27	5334	19	665	23	32	56	16	686	41	35	56	16

PRODUCT NOTES:

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

[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.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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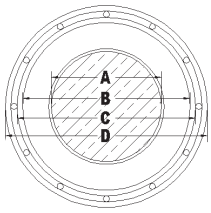
25kV EPR **SUPERDRI™**

100% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
25KV 100% Aluminum Single Phase - Full Neutral																			
QON050A	1 SOLID AL	260	13-#14	0.289	0.86	0.93	1.26	686	11	162	542	33	542	33	213	542	33	542	33
QOO050A	1 AWG AL	260	13-#14	0.324	0.89	0.96	1.29	715	11	163	547	31	547	32	214	547	31	547	32
QOP050A	1/0 SOLID AL	260	16-#14	0.325	0.90	0.97	1.29	767	11	184	435	31	435	31	241	435	31	435	31
QOQ050A	1/0 AWG AL	260	16-#14	0.364	0.93	1.00	1.33	802	11	185	440	30	440	30	242	440	30	440	30
QOR050A	2/0 AWG AL	260	13-#12	0.408	0.98	1.05	1.41	922	12	213	343	29	343	29	278	343	29	343	29
QOS050A	3/0 AWG AL	260	16-#12	0.458	1.03	1.12	1.48	1071	12	243	275	28	275	28	315	275	28	275	28
QOT050A	4/0 AWG AL	260	13-#10	0.515	1.09	1.18	1.58	1253	13	280	216	26	216	27	361	216	26	216	27
QOU050A	250 MCM AL	260	16-#10	0.561	1.14	1.23	1.63	1444	14	310	179	25	179	25	399	179	25	179	25
QOV050A	350 MCM AL	260	16-#9	0.664	1.24	1.33	1.82	1826	15	368	136	23	136	23	468	136	23	136	23
25KV 100% Aluminum Three Phase - One-Third Neutral																			
QON040A	1 SOLID AL	260	6-#14	0.289	0.86	0.93	1.26	594	11	161	273	54	834	33	214	281	101	815	33
QOO040A	1 AWG AL	260	6-#14	0.324	0.89	0.96	1.29	624	11	162	278	53	841	32	214	286	99	822	32
QOP040A	1/0 SOLID AL	260	6-#14	0.325	0.90	0.97	1.29	637	11	183	217	52	779	31	242	224	98	761	31
QOQ040A	1/0 AWG AL	260	6-#14	0.364	0.93	1.00	1.33	671	11	184	222	51	785	30	242	229	96	768	30
QOR040A	2/0 AWG AL	260	7-#14	0.408	0.98	1.05	1.38	739	12	209	176	50	660	29	274	184	93	646	29
QOS040A	3/0 AWG AL	260	9-#14	0.458	1.03	1.12	1.45	851	12	238	139	47	516	27	309	149	90	506	27
QOT040A	4/0 AWG AL	260	11-#14	0.515	1.09	1.18	1.50	959	13	270	111	46	420	26	346	123	86	413	26
QOU040A	250 MCM AL	260	13-#14	0.561	1.14	1.23	1.56	1067	13	296	95	44	355	25	375	108	83	350	25
QOV040A	350 MCM AL	260	18-#14	0.664	1.24	1.33	1.66	1303	14	355	69	42	257	23	435	985	77	254	23
QOW040A	500 MCM AL	260	16-#12	0.794	1.37	1.46	1.88	1715	16	429	50	40	181	21	497	68	69	179	21
QOX040A	750 MCM AL	260	24-#12	0.974	1.56	1.68	2.10	2321	17	521	36	38	121	19	566	56	58	121	19
QOY040A	1000 MCM AL	260	20-#10	1.124	1.71	1.83	2.29	2855	19	589	29	36	92	18	618	49	50	92	18

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, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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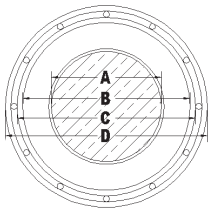
25kV EPR **SUPERDRI™**

100% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
25KV 100% Copper Single Phase - Full Neutral																			
QO5050A	1 SOLID CU	260	13-#12	0.289	0.86	0.93	1.29	965	11	209	333	33	333	34	273	333	33	333	34
QO6050A	1 AWG CU	260	13-#12	0.324	0.89	0.96	1.33	996	11	210	337	32	337	32	274	337	32	337	32
QO7050A	1/0 SOLID CU	260	16-#12	0.325	0.90	0.97	1.33	1117	11	236	268	32	268	32	309	268	32	268	32
QO8050A	1/0 AWG CU	260	16-#12	0.364	0.93	1.00	1.37	1152	11	238	270	31	270	31	311	270	31	270	31
QO9050A	2/0 AWG CU	260	13-#10	0.408	0.98	1.05	1.45	1365	12	274	212	29	212	29	356	212	29	212	29
QOA050A	3/0 AWG CU	260	16-#10	0.458	1.03	1.12	1.52	1624	13	311	170	28	170	28	403	170	28	170	28
QOB050A	4/0 AWG CU	260	16-#9	0.515	1.09	1.18	1.60	1937	13	355	136	27	136	27	458	136	27	136	27
25KV 100% Copper Three Phase - One-Third Neutral																			
QO5040A	1 SOLID CU	260	7-#14	0.289	0.86	0.93	1.26	782	11	207	166	54	646	33	272	175	100	631	33
QO6040A	1 AWG CU	260	7-#14	0.324	0.89	0.96	1.29	813	11	207	170	53	651	32	272	179	98	636	32
QO7040A	1/0 SOLID CU	260	9-#14	0.325	0.90	0.97	1.29	898	11	235	132	52	506	31	306	143	97	495	31
QO8040A	1/0 AWG CU	260	9-#14	0.364	0.93	1.00	1.33	933	11	236	135	51	510	30	307	146	95	499	30
QO9040A	2/0 AWG CU	260	11-#14	0.408	0.98	1.05	1.38	1072	12	267	107	49	415	29	344	120	91	407	29
QOA040A	3/0 AWG CU	260	14-#14	0.458	1.03	1.12	1.45	1270	12	304	86	47	327	27	382	101	87	322	27
QOB040A	4/0 AWG CU	260	18-#14	0.515	1.09	1.18	1.50	1496	13	343	69	46	256	26	421	86	82	253	26
QOC040A	250 MCM CU	260	21-#14	0.561	1.14	1.23	1.56	1702	13	375	59	44	219	25	450	78	78	217	25
QOD040A	350 MCM CU	260	18-#12	0.664	1.24	1.33	1.75	2261	15	447	44	43	159	23	506	65	70	158	23
QOE040A	500 MCM CU	260	17-#10	0.794	1.37	1.46	1.93	3027	16	526	34	40	108	21	562	56	58	108	21
QOF040A	750 MCM CU	260	20-#9	0.974	1.56	1.68	2.17	4273	18	617	26	37	74	20	633	46	46	74	20
QOG040A	1000 MCM CU	260	21-#8	1.124	1.71	1.83	2.35	5459	19	671	23	34	56	18	691	40	38	55	18

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, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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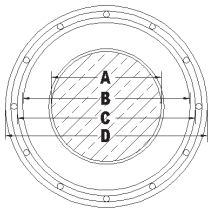
25kV EPR **SUPERDRI™**

133% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
25KV 133% Aluminum Single Phase - Full Neutral																			
QPN050A	1 SOLID AL	320	13-#14	0.289	0.98	1.05	1.38	796	12	162	542	33	542	33	213	542	33	542	33
QPO050A	1 AWG AL	320	13-#14	0.324	1.02	1.09	1.42	829	12	163	547	31	547	32	214	547	31	547	32
QPP050A	1/0 SOLID AL	320	16-#14	0.325	1.02	1.09	1.42	881	12	184	435	31	435	31	241	435	31	435	31
QPQ050A	1/0 AWG AL	320	16-#14	0.364	1.06	1.15	1.48	940	12	185	440	30	440	30	242	440	30	440	30
QPR050A	2/0 AWG AL	320	13-#12	0.408	1.10	1.19	1.55	1066	13	213	343	29	343	29	278	343	29	343	29
QPS050A	3/0 AWG AL	320	16-#12	0.458	1.15	1.24	1.60	1200	13	243	275	28	275	28	315	275	28	275	28
QPT050A	4/0 AWG AL	320	13-#10	0.515	1.21	1.30	1.70	1387	14	280	216	26	216	27	361	216	26	216	27
QPU050A	250 MCM AL	320	16-#10	0.561	1.26	1.35	1.82	1652	15	310	179	25	179	25	399	179	25	179	25
QPV050A	350 MCM AL	320	16-#9	0.664	1.37	1.46	1.94	1981	16	368	136	23	136	23	468	136	23	136	23
25KV 133% Aluminum Three Phase - One-Third Neutral																			
QPN040A	1 SOLID AL	320	6-#14	0.289	0.98	1.05	1.38	705	12	161	273	54	834	33	214	281	101	815	33
QPO040A	1 AWG AL	320	6-#14	0.324	1.02	1.09	1.42	738	12	162	278	53	841	32	214	286	99	822	32
QPP040A	1/0 SOLID AL	320	6-#14	0.325	1.02	1.09	1.42	751	12	183	217	52	779	31	242	224	98	761	31
QPQ040A	1/0 AWG AL	320	6-#14	0.364	1.06	1.15	1.48	809	12	184	222	51	785	30	242	229	96	768	30
QPR040A	2/0 AWG AL	320	7-#14	0.408	1.10	1.19	1.52	883	13	209	176	50	660	29	274	184	93	646	29
QPS040A	3/0 AWG AL	320	9-#14	0.458	1.15	1.24	1.57	980	13	238	139	47	516	27	309	149	90	506	27
QPT040A	4/0 AWG AL	320	11-#14	0.515	1.21	1.30	1.63	1093	14	270	111	46	420	26	346	123	86	413	26
QPU040A	250 MCM AL	320	13-#14	0.561	1.26	1.35	1.68	1206	14	296	95	44	355	25	375	108	83	350	25
QPV040A	350 MCM AL	320	18-#14	0.664	1.37	1.46	1.84	1522	15	355	69	42	257	23	435	985	77	254	23
QPW040A	500 MCM AL	320	16-#12	0.794	1.50	1.59	2.01	1882	17	429	50	40	181	21	497	68	69	179	21
QPX040A	750 MCM AL	320	24-#12	0.974	1.68	1.80	2.23	2510	18	521	36	38	121	19	566	56	58	121	19
QPY040A	1000 MCM AL	320	20-#10	1.124	1.83	1.95	2.42	3057	20	589	29	36	92	18	618	49	50	92	18

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, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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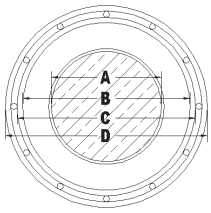
25kV EPR **SUPERDRI™**

133% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
25KV 133% Copper Single Phase - Full Neutral																			
QP5050A	1 SOLID CU	320	13-#12	0.289	0.98	1.05	1.41	1075	12	209	333	33	333	34	273	333	33	333	34
QP6050A	1 AWG CU	320	13-#12	0.324	1.02	1.09	1.45	1110	12	210	337	32	337	32	274	337	32	337	32
QP7050A	1/0 SOLID CU	320	16-#12	0.325	1.02	1.09	1.45	1231	12	236	268	32	268	32	309	268	32	268	32
QP8050A	1/0 AWG CU	320	16-#12	0.364	1.06	1.15	1.51	1291	13	238	270	31	270	31	311	270	31	270	31
QP9050A	2/0 AWG CU	320	13-#10	0.408	1.10	1.19	1.60	1509	13	274	212	29	212	29	356	212	29	212	29
QPA050A	3/0 AWG CU	320	16-#10	0.458	1.15	1.24	1.65	1753	14	311	170	28	170	28	403	170	28	170	28
QPB050A	4/0 AWG CU	320	16-#9	0.515	1.21	1.30	1.79	2138	15	355	136	27	136	27	458	136	27	136	27
25KV 133% Copper Three Phase - One-Third Neutral																			
QP5040A	1 SOLID CU	320	7-#14	0.289	0.98	1.05	1.38	893	12	207	166	54	646	33	272	175	100	631	33
QP6040A	1 AWG CU	320	7-#14	0.324	1.02	1.09	1.42	927	12	207	170	53	651	32	272	179	98	636	32
QP7040A	1/0 SOLID CU	320	9-#14	0.325	1.02	1.09	1.42	1012	12	235	132	52	506	31	306	143	97	495	31
QP8040A	1/0 AWG CU	320	9-#14	0.364	1.06	1.15	1.48	1071	12	236	135	51	510	30	307	146	95	499	30
QP9040A	2/0 AWG CU	320	11-#14	0.408	1.10	1.19	1.52	1215	13	267	107	49	415	29	344	120	91	407	29
QPA040A	3/0 AWG CU	320	14-#14	0.458	1.15	1.24	1.57	1399	13	304	86	47	327	27	382	101	87	322	27
QPB040A	4/0 AWG CU	320	18-#14	0.515	1.21	1.30	1.63	1630	14	343	69	46	256	26	421	86	82	253	26
QPC040A	250 MCM CU	320	21-#14	0.561	1.26	1.35	1.68	1842	14	375	59	44	219	25	450	78	78	217	25
QPD040A	350 MCM CU	320	18-#12	0.664	1.37	1.46	1.88	2416	16	447	44	43	159	23	506	65	70	158	23
QPE040A	500 MCM CU	320	17-#10	0.794	1.50	1.59	2.05	3194	17	526	34	40	108	21	562	56	58	108	21
QPF040A	750 MCM CU	320	20-#9	0.974	1.68	1.80	2.29	4461	19	617	26	37	74	20	633	46	46	74	20
QPG040A	1000 MCM CU	320	21-#8	1.124	1.83	1.95	2.47	5662	20	671	23	34	56	18	691	40	38	55	18

PRODUCT NOTES:

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

[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.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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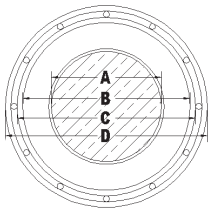
35kV EPR **SUPERDRI™**

100% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
35KV 100% Aluminum Single Phase - Full Neutral																			
QQP050A	1/0 SOLID AL	345	16-#14	0.325	1.07	1.16	1.49	951	12	187	435	35	435	35	239	435	35	435	35
QQQ050A	1/0 AWG AL	345	16-#14	0.364	1.11	1.20	1.53	992	13	188	440	34	440	34	240	440	34	440	34
QQR050A	2/0 AWG AL	345	13-#12	0.408	1.15	1.24	1.60	1119	13	217	343	32	343	33	276	343	32	343	33
QQS050A	3/0 AWG AL	345	16-#12	0.458	1.20	1.29	1.65	1255	14	246	275	31	275	31	313	275	31	275	31
QQT050A	4/0 AWG AL	345	13-#10	0.515	1.26	1.35	1.81	1512	15	283	216	29	216	30	355	216	29	216	30
QQU050A	250 MCM AL	345	16-#10	0.561	1.31	1.40	1.87	1714	15	313	179	28	179	28	393	179	28	179	28
QQV050A	350 MCM AL	345	16-#9	0.664	1.42	1.51	1.99	2046	16	371	136	26	136	26	465	136	26	136	26
35KV 100% Aluminum Three Phase - One-Third Neutral																			
QQP040A	1/0 SOLID AL	345	6-#14	0.325	1.07	1.16	1.49	821	12	185	217	55	774	35	239	224	98	755	35
QQQ040A	1/0 AWG AL	345	6-#14	0.364	1.11	1.20	1.53	861	13	185	222	54	781	34	239	229	96	763	34
QQR040A	2/0 AWG AL	345	7-#14	0.408	1.15	1.24	1.57	936	13	211	176	52	656	32	270	183	93	641	32
QQS040A	3/0 AWG AL	345	9-#14	0.458	1.20	1.29	1.62	1036	13	240	139	50	513	31	305	149	90	503	31
QQT040A	4/0 AWG AL	345	11-#14	0.515	1.26	1.35	1.68	1151	14	272	111	48	418	29	343	122	87	410	29
QQU040A	250 MCM AL	345	13-#14	0.561	1.31	1.40	1.79	1333	15	298	95	48	354	28	370	107	84	348	28
QQV040A	350 MCM AL	345	18-#14	0.664	1.42	1.51	1.89	1587	16	357	69	45	256	25	431	83	78	252	25
QQW040A	500 MCM AL	345	16-#12	0.794	1.55	1.67	2.09	1998	17	430	50	43	180	24	497	67	70	178	24
QQX040A	750 MCM AL	345	24-#12	0.974	1.73	1.85	2.28	2589	19	523	36	40	121	21	569	55	59	120	21
QQY040A	1000 MCM AL	345	20-#10	1.124	1.88	2.00	2.47	3143	20	592	29	38	92	20	621	48	52	91	20

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, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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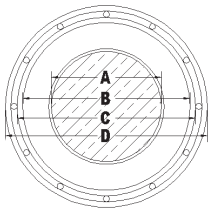
35kV EPR **SUPERDRI™**

100% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
35KV 100% Copper Single Phase - Full Neutral																			
QQ7050A	1/0 SOLID CU	345	16-#12	0.325	1.07	1.16	1.52	1302	13	240	268	36	268	36	306	268	36	268	36
QQ8050A	1/0 AWG CU	345	16-#12	0.364	1.11	1.20	1.56	1342	13	242	270	34	270	35	308	270	34	270	35
QQ9050A	2/0 AWG CU	345	13-#10	0.408	1.15	1.24	1.65	1562	14	278	212	33	212	33	353	212	33	212	33
QQA050A	3/0 AWG CU	345	16-#10	0.458	1.20	1.29	1.70	1808	14	315	170	31	170	31	400	170	31	170	31
QQB050A	4/0 AWG CU	345	16-#9	0.515	1.26	1.35	1.84	2198	15	359	136	30	136	30	451	136	30	136	30
35KV 100% Copper Three Phase - One-Third Neutral																			
QQ7040A	1/0 SOLID CU	345	9-#14	0.325	1.07	1.16	1.49	1082	12	237	132	55	503	35	302	142	97	491	35
QQ8040A	1/0 AWG CU	345	9-#14	0.364	1.11	1.20	1.53	1123	13	238	135	54	507	34	303	144	95	495	34
QQ9040A	2/0 AWG CU	345	11-#14	0.408	1.15	1.24	1.57	1268	13	270	107	52	412	32	340	119	92	404	32
QQA040A	3/0 AWG CU	345	14-#14	0.458	1.20	1.29	1.62	1455	13	306	86	50	325	31	379	99	88	320	31
QQB040A	4/0 AWG CU	345	18-#14	0.515	1.26	1.35	1.68	1687	14	346	69	48	255	29	419	85	83	251	29
QQC040A	250 MCM CU	345	21-#14	0.561	1.31	1.40	1.79	1968	15	378	59	47	218	28	448	76	79	215	28
QQD040A	350 MCM CU	345	18-#12	0.664	1.42	1.51	1.93	2482	16	449	44	45	159	26	507	64	71	157	26
QQE040A	500 MCM CU	345	17-#10	0.794	1.55	1.67	2.13	3310	18	530	34	43	108	24	566	54	60	107	24
QQF040A	750 MCM CU	345	20-#9	0.974	1.73	1.85	2.34	4541	19	621	26	39	74	22	638	45	48	73	22
QQG040A	1000 MCM CU	345	21-#8	1.124	1.88	2.00	2.52	5748	21	676	23	36	56	20	696	39	40	55	20

PRODUCT NOTES:

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

[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.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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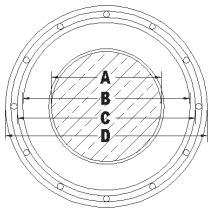
35kV EPR **SUPERDRI™**

133% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
35KV 133% Aluminum Single Phase - Full Neutral																			
QRP050A	1/0 SOLID AL	420	16-#14	0.325	1.22	1.31	1.64	1114	14	187	435	35	435	35	239	435	35	435	35
QRQ050A	1/0 AWG AL	420	16-#14	0.364	1.26	1.35	1.68	1158	14	188	440	34	440	34	240	440	34	440	34
QRR050A	2/0 AWG AL	420	13-#12	0.408	1.30	1.39	1.81	1359	15	217	343	32	343	33	276	343	32	343	32
QRS050A	3/0 AWG AL	420	16-#12	0.458	1.35	1.44	1.86	1503	15	246	275	31	275	31	313	275	31	275	31
QRT050A	4/0 AWG AL	420	13-#10	0.515	1.41	1.50	1.96	1703	16	283	216	29	216	30	355	216	29	216	29
QRU050A	250 MCM AL	420	16-#10	0.561	1.46	1.55	2.02	1911	17	313	179	28	179	28	393	179	28	179	28
QRV050A	350 MCM AL	420	16-#9	0.664	1.57	1.69	2.17	2301	18	371	136	26	136	26	465	136	26	136	26
35KV 133% Aluminum Three Phase - One-Third Neutral																			
QRP040A	1/0 SOLID AL	420	6-#14	0.325	1.22	1.31	1.64	983	14	185	217	55	774	35	239	224	98	755	35
QRQ040A	1/0 AWG AL	420	6-#14	0.364	1.26	1.35	1.68	1028	14	185	222	54	781	34	239	229	96	763	34
QRR040A	2/0 AWG AL	420	7-#14	0.408	1.30	1.39	1.78	1174	15	211	176	52	656	32	270	183	93	641	32
QRS040A	3/0 AWG AL	420	9-#14	0.458	1.35	1.44	1.83	1282	15	240	139	50	513	31	305	149	90	503	31
QRT040A	4/0 AWG AL	420	11-#14	0.515	1.41	1.50	1.89	1406	16	272	111	48	418	29	343	122	87	410	29
QRU040A	250 MCM AL	420	13-#14	0.561	1.46	1.55	1.94	1529	16	298	95	48	354	28	370	107	84	348	28
QRV040A	350 MCM AL	420	18-#14	0.664	1.57	1.69	2.07	1841	17	357	69	45	256	25	431	83	78	252	25
QRW040A	500 MCM AL	420	16-#12	0.794	1.70	1.82	2.24	2225	18	430	50	43	180	24	497	67	70	178	24
QRX040A	750 MCM AL	420	24-#12	0.974	1.88	2.00	2.43	2839	20	523	36	40	121	21	569	55	59	120	21
QRY040A	1000 MCM AL	420	20-#10	1.124	2.03	2.15	2.62	3410	21	592	29	38	92	20	621	48	52	91	20

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, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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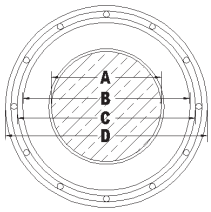
PDN-0030-0725

35kV EPR **SUPERDRI™**

133% Medium Voltage Utility Cables



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)††
				(A)	(B)	(C)	(D)			‡105°C In Duct					‡105°C Direct Buried				
35KV 133% Copper Single Phase - Full Neutral																			
QR7050A	1/0 SOLID CU	420	16-#12	0.325	1.22	1.31	1.67	1464	14	240	268	36	268	36	306	268	36	268	36
QR8050A	1/0 AWG CU	420	16-#12	0.364	1.26	1.35	1.77	1575	15	242	270	34	270	35	308	270	34	270	35
QR9050A	2/0 AWG CU	420	13-#10	0.408	1.30	1.39	1.86	1804	15	278	212	33	212	33	353	212	33	212	33
QRA050A	3/0 AWG CU	420	16-#10	0.458	1.35	1.44	1.91	2057	16	315	170	31	170	31	400	170	31	170	31
QRB050A	4/0 AWG CU	420	16-#9	0.515	1.41	1.50	1.99	2388	16	359	136	30	136	30	451	136	30	136	30
35KV 133% Copper Three Phase - One-Third Neutral																			
QR7040A	1/0 SOLID CU	420	9-#14	0.325	1.22	1.31	1.64	1244	14	237	132	55	503	35	302	142	97	491	35
QR8040A	1/0 AWG CU	420	9-#14	0.364	1.26	1.35	1.68	1289	14	238	135	54	507	34	303	144	95	495	34
QR9040A	2/0 AWG CU	420	11-#14	0.408	1.30	1.39	1.78	1507	15	270	107	52	412	32	340	119	92	404	32
QRA040A	3/0 AWG CU	420	14-#14	0.458	1.35	1.44	1.83	1700	15	306	86	50	325	31	379	99	88	320	31
QRB040A	4/0 AWG CU	420	18-#14	0.515	1.41	1.50	1.89	1942	16	346	69	48	255	29	419	85	83	251	29
QRC040A	250 MCM CU	420	21-#14	0.561	1.46	1.55	1.94	2165	16	378	59	47	218	28	448	76	79	215	28
QRD040A	350 MCM CU	420	18-#12	0.664	1.57	1.69	2.11	2735	17	449	44	45	159	26	507	64	71	157	26
QRE040A	500 MCM CU	420	17-#10	0.794	1.70	1.82	2.28	3537	19	530	34	43	108	24	566	54	60	107	24
QRF040A	750 MCM CU	420	20-#9	0.974	1.88	2.00	2.49	4791	20	621	26	39	74	22	638	45	48	73	22
QRG040A	1000 MCM CU	420	21-#8	1.124	2.03	2.15	2.67	6015	22	676	23	36	56	20	696	39	40	55	20

PRODUCT NOTES:

† Ampacities are based on the following:

Single Phase Operation (Full Neutral Design)

In Duct: One single cable in plastic duct, direct-buried, 105°C conductor 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, 105°C conductor 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, 105°C conductor 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, 105°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

[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.

‡EPROTENAX® EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

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