



Medium Voltage Cable Accessories Available from Priority Wire & Cable

Suitable for Copper or Aluminum Conductors



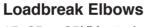
Cold Shrink Splice Kits

Suitable for indoor and outdoor use 5, 15 or 35KV rated



Cold Shrink Termination Kits

Suitable for indoor or outdoor use 5, 15 or 35KV rated



15, 25 or 35KV rated



Also Available

1 hole or 2 hole Lugs Medium Voltage Pulling Eyes

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5kV 1/C EPR MV-105 EASY GLIDER™ (Tape Shield)

Description: Prysmian's Easy Glider™ cable is designed to facilitate conduit installation without the application

> of pulling lubricant. Single conductor cable with stranded copper or aluminum conductor, triple extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength EPROTENAXTM EPR insulation, thermosetting semiconducting insulation shield, helically applied bare copper tape shield, and black low coefficient of friction, PVC jacket.

Conductor Class B compact concentric compact concentric soft drawn annealed copper per ASTM.

Conductor Extruded thermosetting semiconducting shield which is free stripping from the conductor and

Shield: bonded to the insulation.

Insulation: Natural high dielectric strength EPROTENAXTM EPR-based insulation, combined with other materials

and agents that enhance the electrical and mechanical characteristics assuring extended cable life.

Insulation: Extruded thermosetting semiconducting shield with controlled adhesion to the insulation providing

Shield: the required balance between electrical integrity and ease of stripping.

Metallic Shield: Helically applied non-magnetic copper tape(s) over the insulation shield with a nominal overlap of 25%.

Black, sunlight resistant, low coefficient of friction, polyvinyl chloride (PVC) jacket tightly applied .lacket:

over the copper tape.

AEIC-AEIC CS8 UL- UL-1072 Specifications:

> ICEA- ICEA S-93-639 ICEE- IEEE 383 Flame Test ICEE- IEEE 1202 Flame Test ICEA- ICEA S-97-682

Type MV-105 Sunlight Resistant For CT USE (1/0 AWG and Larger) (250 MCM and Larger) Ratings:

Options: Strandseal® Standard PVC jacket

Compressed or compact stranded conductors Multiplex cables

Colored Jackets CSA C68.10 (FT4 250 MCM and larger) LLDPE*, CPE or LSOH Jacket -40°C Cold Impact and Cold Bend

Oil Resistant jacket Compact concentric strand aluminum alloy 1350

B
C D

Conductor	Insulation Thickness (mils)	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	*Ampacity (amps)	
		(A)	(B)	(C)	(D)			‡105°C in Duct	‡105° in Air
5kV 133% Coppe	r One Conduct	or							
4AWGCU	115	0.215	0.49	0.55	0.68	347	9	120	160
2AWGCU	115	0.266	0.54	0.60	0.73	424	9	155	215
1AWGCU	115	0.299	0.58	0.63	0.77	514	10	180	250
1/0 AWG CU	115	0.341	0.62	0.68	0.81	577	10	210	290
2/0 AWG CU	115	0.376	0.65	0.71	0.84	675	11	235	330
3/0 AWG CU	115	0.423	0.70	0.76	0.92	857	12	270	385
4/0 AWG CU	115	0.479	0.76	0.82	0.97	982	12	310	445
250 MCM CU	115	0.522	0.81	0.86	1.02	1126	13	345	495
350 MCM CU	115	0.622	0.91	0.96	1.12	1475	14	415	615
500 MCM CU	115	0.742	1.03	1.08	1.24	1988	15	505	775
750 MCM CU	115	0.917	1.21	1.27	1.43	2863	18	630	1000
1000 MCM CU	115	1.071	1.38	1.43	1.59	3681	20	720	1200

^{*}Ampacities are based on the following:

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

In Duct (2011 NEC Table 310.60(C)(77): Three single cables in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, and 100% load factor.

Isolated in Air (2011 NEC Table 310.60(C)(69)): Single conductor cable, 90°C conductor temperature, and 40°C ambient temperature, and shields short-circuited

In Cable Tray: Per 2011 NEC Article 392.80(B)(2)(b), for single conductor cables, sizes 1/0 AWG and larger, installed in a single layer in an uncovered cable tray, with a maintained space of not less than one cable diameter between individual conductors, the ampacities shall not exceed "Isolated in Air" values noted above.





15kV 1/C EPR MV-105 EASY GLIDER™ (Tape Shield)

Prysmian's Easy Glider™ cable is designed to facilitate conduit installation without the application **Description:**

of pulling lubricant. Single conductor cable with stranded copper or aluminum conductor, triple extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength EPROTENAXTM EPR insulation, thermosetting semiconducting insulation shield, helically applied bare copper tape shield, and black low coefficient of friction, PVC jacket.

Class B compact concentric compact concentric soft drawn annealed copper per ASTM. Conductor

Conductor Extruded thermosetting semiconducting shield which is free stripping from the conductor and

Shield: bonded to the insulation.

Insulation: Natural high dielectric strength EPROTENAXTM EPR-based insulation, combined with other materials

and agents that enhance the electrical and mechanical characteristics assuring extended cable life.

Insulation: Extruded thermosetting semiconducting shield with controlled adhesion to the insulation providing Shield:

the required balance between electrical integrity and ease of stripping.

Metallic Shield: Helically applied non-magnetic copper tape(s) over the insulation shield with a nominal overlap of 25%.

Jacket: Black, sunlight resistant, low coefficient of friction, polyvinyl chloride (PVC) jacket tightly applied

over the copper tape.

Specifications: **AEIC-AEIC CS8** UL- UL-1072

> ICEA- ICEA S-93-639 ICEE- IEEE 383 Flame Test ICEA- ICEA S-97-682 ICEE- IEEE 1202 Flame Test

Ratings: Type MV-105 Sunlight Resistant For CT USE (1/0 AWG and Larger) (250 MCM and Larger)

Options: Strandseal® Standard PVC iacket

Compressed or compact stranded conductors Multiplex cables

CSA C68.10 (FT4 250 MCM and larger) Colored Jackets LLDPE*, CPE or LSOH Jacket -40°C Cold Impact and Cold Bend

Compact concentric strand aluminum alloy 1350 Oil Resistant jacket

B
— C — → D

Conductor	Insulation Thickness (mils)	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	*Ampacity (amps)	
		(A)	(B)	(C)	(D)			‡105°C in Duct	‡105° in Air
15kV 133% Copp	er One Conduc	tor							
2AWGCU	220	0.266	0.74	0.80	0.96	590	12	165	215
1AWGCU	220	0.299	0.78	0.83	1.00	696	12	185	250
1/0 AWGCU	220	0.341	0.82	0.88	1.04	762	13	215	290
2/0 AWG CU	220	0.376	0.85	0.91	1.07	863	13	245	335
3/0 AWG CU	220	0.423	0.90	0.96	1.12	1036	14	275	385
4/0 AWG CU	220	0.479	0.96	1.02	1.17	1161	15	315	445
250 MCM CU	220	0.522	1.01	1.06	1.22	1314	15	345	495
350 MCM CU	220	0.622	1.11	1.16	1.32	1676	16	415	610
500 MCM CU	220	0.742	1.23	1.28	1.44	2204	18	500	765
750 MCM CU	220	0.917	1.41	1.47	1.63	3110	20	610	990
1000 MCM CU	220	1.071	1.57	1.62	1.84	4056	23	690	1185

^{*}Ampacities are based on the following:

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

In Duct (2011 NEC Table 310.60(C)(77): Three single cables in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, and 100% load factor.

Isolated in Air (2011 NEC Table 310.60(C)(69)): Single conductor cable, 90°C conductor temperature, and 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per 2011 NEC Article 392.80(B)(2)(b), for single conductor cables, sizes 1/0 AWG and larger, installed in a single layer in an uncovered cable tray, with a maintained space of not less than one cable diameter between individual conductors, the ampacities shall not exceed "Isolated in Air" values noted above





35kV 1/C EPR MV-105 EASY GLIDER™ (Tape Shield)

Description: Prysmian's Easy Glider[™] cable is designed to facilitate conduit installation without the application

of pulling lubricant. Single conductor cable with stranded copper or aluminum conductor, triple extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength EPROTENAXTM EPR insulation, thermosetting semiconducting insulation shield, helically applied bare copper tape shield, and black low coefficient of friction, PVC jacket.

Conductor Class B compact concentric compact concentric soft drawn annealed copper per ASTM.

Conductor Extruded thermosetting semiconducting shield which is free stripping from the conductor and

Shield: bonded to the insulation.

Insulation: Natural high dielectric strength EPROTENAXTM EPR-based insulation, combined with other materials

and agents that enhance the electrical and mechanical characteristics assuring extended cable life.

Insulation: Extruded thermosetting semiconducting shield with controlled adhesion to the insulation providing

Shield: the required balance between electrical integrity and ease of stripping.

Metallic Shield: Helically applied non-magnetic copper tape(s) over the insulation shield with a nominal overlap of 25%.

Jacket: Black, sunlight resistant, low coefficient of friction, polyvinyl chloride (PVC) jacket tightly applied

over the copper tape.

AEIC-AEIC CS8 UL- UL-1072 Specifications:

ICFA- ICFA S-93-639 ICEE- IEEE 383 Flame Test ICEA- ICEA S-97-682 ICEE- IEEE 1202 Flame Test

Ratings: Type MV-105 Sunlight Resistant For CT USE (1/0 AWG and Larger) (250 MCM and Larger)

Strandseal® Compressed or compact stranded conductors

Colored Jackets

LLDPE*. CPE or LSOH Jacket

Oil Resistant jacket

Standard PVC jacket Multiplex cables

CSA C68.10 (FT4 250 MCM and larger) -40°C Cold Impact and Cold Bend

Compact concentric strand aluminum alloy 1350

Conductor	Insulation Thickness (mils)	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	*Ampacity (amps)	
		(A)	(B)	(C)	(D)			‡105°C in Duct	‡105° in Air
35kV 100% Copp	er One Conduc	tor							
1/0 AWG CU	345	0.341	1.08	1.13	1.29	1011	16	215	290
2/0 AWG CU	345	0.376	1.11	1.17	1.33	1165	16	245	330
3/0 AWG CU	345	0.423	1.16	1.21	1.38	1312	17	275	380
4/0 AWG CU	345	0.479	1.21	1.27	1.43	1443	18	315	445
250 MCM CU	34	0.522	1.26	1.32	1.48	1653	18	345	490
350 MCM CU	345	0.622	1.36	1.42	1.58	1989	19	415	605
500 MCM CU	345	0.742	1.48	1.54	1.70	2542	21	500	755
750 MCM CU	345	0.917	1.67	1.72	1.95	3670	24	610	970
1000 MCM CU	345	1.071	1.82	1.88	2.10	4555	26	690	1160
35kV 133% Copp	er One Conduc	tor							
1/0 AWG CU	420	0.341	1.22	1.27	1.43	1214	18	215	290
2/0 AWG CU	420	0.376	1.25	1.31	1.47	1279	19	245	330
3/0 AWG CU	420	0.423	1.30	1.35	1.52	1428	19	275	380
4/0 AWG C	420	0.479	1.35	1.41	1.57	1669	19	315	445
250 MCM CU	420	0.522	1.40	1.46	1.62	1837	20	345	490
350 MCM CU	420	0.622	1.50	1.56	1.78	2342	22	415	605
500 MCM CU	420	0.742	1.62	1.68	1.90	2924	23	500	755
750 MCM CU	420	0.917	1.81	1.86	2.09	3906	26	610	970
1000 MCM CU	420	1.071	1.96	2.02	2.24	4808	27	690	1160

^{*}Ampacities are based on the following:

Options:

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

In Duct (2011 NEC Table 310.60(C)(77): Three single cables in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, and 100% load factor.

Isolated in Air (2011 NEC Table 310.60(C)(69)): Single conductor cable, 90°C conductor temperature, and 40°C ambient temperature, and shields short-circuited.

In Cable Tray: Per 2011 NEC Article 392.80(B)(2)(b), for single conductor cables, sizes 1/0 AWG and larger, installed in a single layer in an uncovered cable tray, with a maintained space of not less than one cable diameter between individual conductors, the ampacities shall not exceed "Isolated in Air" values noted above.

