2.4 kV – 35 kV Industrial Medium-Voltage Cables

SPECIFICATION NO.		PRODUCT DESCRIPTION		REVISION DATE
6050†	DuraSheath® High Speed	EPR/XL-CPE, Medium-Voltage Power, Nonshielded 2400 V, UL Type MV-90		Sept. 2016
6155†	Uniblend® PVC High Speed	EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 5 kV and 8 kV, UL Type MV-105, 133%/100% Ins. Levels, 115 Mils		Sept. 2016
6160	Aluminum Uniblend® PVC High Speed	EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 5 kV and 8 kV, UL Type MV-105, 133%/100% Ins. Levels, 115 Mils		Sept. 2016
6175†	Uniblend® CPE High Speed	EPR/Copper Tape Shield/CPE, Medium-Voltage Power, Shielded 5 kV and 8 kV, UL Type MV-105, 133%/100% Ins. Levels, 115 Mils		Sept. 2016
6180	GenFree® Uniblend® High Speed	EPR/Copper Tape Shield/LSZH, Medium-Voltage Power, Shielded 5 kV and 8 kV, UL Type MV-105/ST1, 133%/100% Ins. Levels, 115 Mils	17 FREE	Sept. 2016
6255†	Uniblend® PVC High Speed	EPR/Copper Tape Shield with Overall PVC Jacket Medium-Voltage Power, Shielded, 5 kV and 8 kV, UL Type MV-105 133%/100% Ins. Levels, 115 Mils, Three Conductor		Sept. 2016
6275	Uniblend® CPE High Speed	EPR/Copper Tape Shield with Overall CPE Jacket Medium-Voltage Power, Shielded, 5 kV and 8 kV, UL Type MV-105 133%/100% Ins. Levels, 115 Mils, Three Conductor		Sept. 2016
6280	GenFree® Uniblend® High Speed	EPR/Copper Tape Shield with Overall LSZH Jacket Medium-Voltage Power, Shielded, 5 kV and 8 kV, UL Type MV-105 133%/100% Ins. Levels, 115 Mils, Three Conductor	17 FREE	Sept. 2016
6355†	Uniblend® PVC High Speed	EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 15 kV, UL Type MV-105, 133% Ins. Level, 220 Mils		Sept. 2016
6360†	Aluminum Uniblend® PVC High Speed	EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 15 kV, UL Type MV-105, 133% Ins. Level, 220 Mils		Sept. 2016
6375†	Uniblend® CPE High Speed	EPR/Copper Tape Shield/CPE, Medium-Voltage Power, Shielded 15 kV, UL Type MV-105, 133% Ins. Level, 220 Mils		Sept. 2016
6380	GenFree® Uniblend® High Speed	EPR/Copper Tape Shield/LSZH, Medium-Voltage Power, Shielded 15 kV, UL Type MV-105/ST1, 133% Ins. Level, 220 Mils	17 FREE	Sept. 2016
6455†	Uniblend® PVC High Speed	EPR/Copper Tape Shield with Overall PVC Jacket Medium-Voltage Power, Shielded, 15 kV, UL Type MV-105 133% Ins. Level, 220 Mils, Three Conductor		Sept. 2016
6475	Uniblend® CPE High Speed	EPR/Copper Tape Shield with Overall CPE Jacket Medium-Voltage Power, Shielded, 15 kV, UL Type MV-105 133% Ins. Level, 220 Mils, Three Conductor		Sept. 2016
6480	GenFree® Uniblend® High Speed	EPR/Copper Tape Shield with Overall LSZH Jacket Medium-Voltage Power, Shielded, 15 kV, UL Type MV-105 133% Ins. Level, 220 Mils, Three Conductor	17 FREE	Sept. 2016
6555†	Uniblend® PVC High Speed	EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 25 kV and 35 kV, UL Type MV-105, 133%/100% Ins. Levels, 345 Mils		Sept. 2016
6560†	Aluminum Uniblend® PVC High Speed	EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 25 kV and 35 kV, UL Type MV-105, 133%/100% Ins. Levels, 345 Mils		Sept. 2016
6575†	Uniblend® CPE High Speed	EPR/Copper Tape Shield/CPE, Medium-Voltage Power, Shielded 25 kV and 35 kV, UL Type MV-105, 133%/100% Ins. Levels, 345 Mils		Sept. 2016

†Indicates these products are stocked by General Cable

2.4 kV – 35 kV Industrial Medium-Voltage Cables

SPECIFICATION NO.		PRODUCT DESCRIPTION	REVISION DATE
6580	GenFree® Uniblend® High Speed	EPR/Copper Tape Shield/LSZH, Medium-Voltage Power, Shielded 25 kV and 35 kV, UL Type MV-105/ST1, 133%/100% Ins. Levels, 345 Mils	Sept. 2016
6605	Uniblend® PVC High Speed	EPR/Copper Tape Shield with Overall PVC Jacket Medium-Voltage Power, Shielded, 25 kV and 35 kV, UL Type MV-105 133%/100% Ins. Levels, 345 Mils, Three Conductor	Sept. 2016
6655†	Uniblend® PVC High Speed	EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 35 kV, UL Type MV-105, 133% Ins. Levels, 420 Mils	Sept. 2016
6660	Aluminum Uniblend® PVC High Speed	EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 35 kV, UL Type MV-105, 133% Ins. Levels, 420 Mils	Sept. 2016

†Indicates these products are stocked by General Cable

DuraSheath® High Speed

EPR/XL-CPE, Medium-Voltage Power, Nonshielded 2400 V, UL Type MV-90

Product Construction

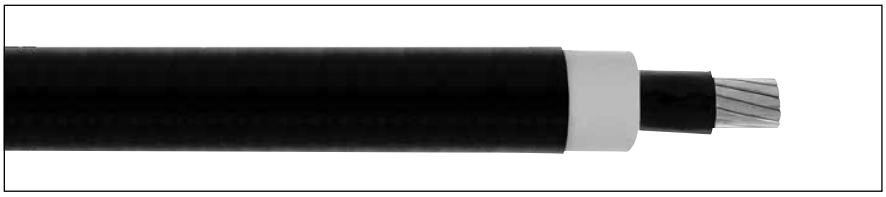
Conductor:
- 8 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Ethylene Propylene Rubber (EPR) insulation, colored to contrast with the black jacket material

Jacket:
- Lead-Free Cross-linked Chlorinated Polyethylene (XL-CPE)

Applications:
- Proven record of reliable performance through extensive use in these applications: pulp and paper mills, petrochemical plants, sewage treatment facilities, water treatment plants, steel mills, textile mills, utility power generating stations, scrubbers and other environmental protection systems, railroad and mining facilities
- For use in industrial and utility applications where ease of installation is a major concern because of limited space and exposure to personnel is minimal
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations



Features:
- Rated at 90˚C
- Excellent heat, moisture and sunlight resistance
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical- and sunlight-resistant
- Simplification of splicing and terminating by elimination of need to handle cable shield
- Extra-tough, mechanically rugged composite insulation and jacket construction
- High Speed low friction technology for easy cable pulling
- Meets cold bend test at -35˚C
- 90°C rating for continuous operation
- 130°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electric Code (NEC)
- ICEA S-96-659/NEMA WC71
- UL 1072
- UL listed as Type MV-90 for use in accordance with NEC, UL File # E90501
- Sizes 1/0 AWG and larger are listed and marked “FOR CT USE” in accordance with NEC and also meet IEEE 383 (70,000 BTU/hr)
- Listed “oil-resistant I”
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:
- Material cut to length and shipped on non-returnable wood reels

CATALOG NUMBER	COND. SIZE (AWG/kcmil)	NOMINAL CONDUCTOR DIAMETER		NOMINAL EXTRUDED STRAND SHIELD DIAMETER		NOMINAL INSULATION THICKNESS		NOMINAL INSULATION DIAMETER		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
		INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/ km	LBS/ 1000 FT	kg/ km
2400 V, UL TYPE MV-90															
14901.410805*	8	0.14	3.56	0.15	3.81	0.125	3.18	0.41	10.41	0.58	14.73	51	76	196	292
14901.410605	6	0.17	4.32	0.19	4.83	0.125	3.18	0.44	11.18	0.62	15.75	81	121	241	359
14901.410405	4	0.22	5.59	0.23	5.84	0.125	3.18	0.49	12.45	0.66	16.76	129	192	308	458
14901.410205	2	0.27	6.86	0.29	7.37	0.125	3.18	0.55	13.97	0.72	18.29	205	305	408	607
14901.410105*	1	0.31	7.87	0.33	8.38	0.125	3.18	0.58	14.73	0.76	19.30	259	385	476	708
14901.415105	1/0	0.34	8.64	0.36	9.14	0.125	3.18	0.62	15.75	0.79	20.07	326	485	562	836
14901.415205	2/0	0.38	9.65	0.41	10.41	0.125	3.18	0.66	16.76	0.84	21.34	411	612	666	991
14901.415305*	3/0	0.43	10.92	0.45	11.43	0.125	3.18	0.71	18.03	0.92	23.37	518	771	823	1225
14901.415405	4/0	0.48	12.19	0.50	12.70	0.125	3.18	0.76	19.30	0.97	24.64	653	972	983	1463
14901.416005	250	0.53	13.46	0.55	13.97	0.140	3.56	0.84	21.34	1.08	27.43	772	1149	1183	1761
14901.416205	350	0.62	15.75	0.64	16.26	0.140	3.56	0.93	23.62	1.17	29.72	1080	1607	1545	2299
14901.416505	500	0.74	18.80	0.77	19.56	0.140	3.56	1.06	26.92	1.30	33.02	1544	2298	2077	3091
14901.417005	750	0.91	23.11	0.94	23.88	0.155	3.94	1.26	32.00	1.54	39.12	2316	3447	3040	4524
14901.417505*	1000	1.06	26.92	1.09	27.69	0.155	3.94	1.42	36.07	1.70	43.18	3086	4593	3913	5823

Dimensions and weights are nominal; subject to industry tolerances.
*Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

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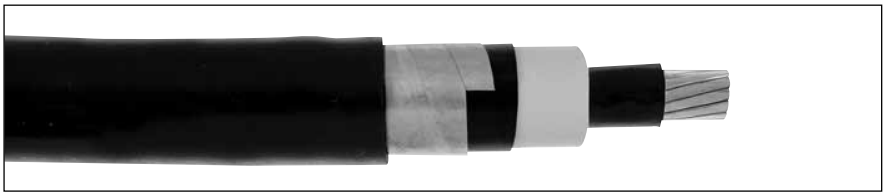
Uniblend® PVC High Speed

EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 5 kV and 8 kV, UL Type MV-105, 133%/100% Ins. Levels, 115 Mils



Product Construction:

Conductor:
- 6 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Jacket:
- Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105˚C
- High Speed low friction technology for easy cable pulling
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High dielectric strength

Features (cont'd.):
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35˚C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (Sizes 1/0 AWG and larger) UL Flame Exposure Test
- Sizes 1/0 AWG and larger are listed and marked "Sunlight-Resistant FOR CT USE" in accordance with NEC
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)		CONDUIT SIZING (4) (INCHES)
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90˚C	105˚C	90˚C	105˚C	90˚C	105˚C	
5 kV AND 8 kV, UL TYPE MV-105, 133%/100% INS. LEVELS, 115 MILS																			
17001.120605	6	0.17	0.415	0.490	0.060	1.52	0.65	16.51	295	439	126	188	83	93	90	97	-	-	2
17001.120405	4	0.22	0.455	0.535	0.060	1.52	0.70	17.15	365	543	178	265	110	120	115	125	-	-	2.5
17001.120205	2	0.27	0.510	0.590	0.060	1.52	0.76	19.05	471	701	259	385	150	165	155	165	-	-	2.5
17001.120105*	1	0.31	0.545	0.620	0.060	1.52	0.79	20.07	539	802	315	468	170	190	175	185	-	-	2.5
17001.125105	1/0	0.34	0.580	0.655	0.060	1.52	0.82	21.08	623	927	386	575	195	215	200	215	195	220	3
17001.125205	2/0	0.38	0.620	0.695	0.060	1.52	0.86	22.10	728	1083	474	706	225	255	230	245	225	250	3
17001.125305*	3/0	0.43	0.665	0.745	0.080	2.03	0.94	24.38	886	1318	585	871	260	290	260	275	260	290	3
17001.135405	4/0	0.48	0.720	0.795	0.080	2.03	1.00	25.65	1053	1567	725	1080	295	330	295	315	300	335	3
17001.136005	250	0.53	0.770	0.850	0.080	2.03	1.05	27.18	1199	1784	849	1263	330	365	325	345	335	370	3.5
17001.136205	350	0.62	0.870	0.945	0.080	2.03	1.14	29.72	1559	2320	1165	1735	395	440	390	415	415	460	3.5
17001.136505	500	0.74	0.990	1.065	0.080	2.03	1.27	33.53	2088	3107	1639	2439	480	535	465	500	515	575	4
17001.137005	750	0.91	1.170	1.250	0.080	2.03	1.45	38.35	2962	4407	2427	3611	585	655	565	610	665	745	5
17001.637505	1000	1.06	1.320	1.400	0.080	2.03	1.60	42.42	3815	5677	3210	4777	675	755	640	690	795	890	5

Dimensions and weights are nominal; subject to industry tolerances.
* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.
(1) Ampacities are in accordance with Table 310.60(C)(73) of the NEC for triplexed or three single conductor copper cables in isolated conduit in air based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient air temperature of 40˚C (104˚F).
(2) Ampacities are in accordance with Table 310.60(C)(77) of the NEC for triplexed or three single conductor copper cables in underground ducts (three conductors per duct), based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient earth temperature of 20˚C (68˚F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.
(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40˚C (104˚F); the ampacities are based on 75% of the values per Table 310.60(C)(69), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(69).
(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.
Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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RoHS Compliant Directive 2011/65/EU

General Cable
Phone: 888-593-3355
www.generalcable.com

Aluminum Uniblend® PVC High Speed

EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 5 kV and 8 kV, UL Type MV-105, 133%/100% Ins. Levels, 115 Mils

XTRA LOW FRICTION XLF TECHNOLOGY

Product Construction:

Conductor:
- 6 AWG thru 1000 kcmil 1350 aluminum compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

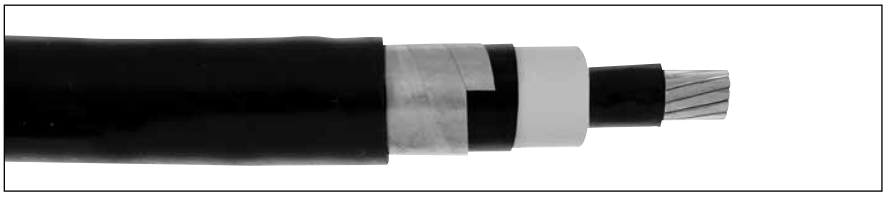
Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Jacket:
- Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications



Applications (cont'd.):
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105˚C
- High Speed low friction technology for easy cable pulling
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35˚C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (Sizes 1/0 AWG and larger) UL Flame Exposure Test
- Sizes 1/0 AWG and larger are listed and marked "Sunlight-Resistant FOR CT USE" in accordance with NEC
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		ALUMINUM WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)		CONDUIT SIZING (4) (INCHES)
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90˚C	105˚C	90˚C	105˚C	90˚C	105˚C	
5 kV AND 8 kV, UL TYPE MV-105, 133%/100% INS. LEVELS, 115 MILS																					
17001.120608*	6	0.17	0.415	0.490	0.060	1.52	0.65	16.51	239	356	25	37	45	67	65	72	70	75	-	-	2
17001.120408*	4	0.22	0.455	0.535	0.060	1.52	0.70	17.15	275	409	39	58	49	73	84	94	91	98	-	-	2.5
17001.120208*	2	0.27	0.510	0.590	0.060	1.52	0.76	19.05	328	488	62	92	54	81	115	130	120	130	-	-	2.5
17001.120108*	1	0.31	0.545	0.620	0.060	1.52	0.79	20.07	359	534	78	116	57	84	130	150	135	145	-	-	2.5
17001.125108*	1/0	0.34	0.580	0.655	0.060	1.52	0.82	21.08	396	590	99	147	60	90	150	170	155	165	150	170	3
17001.125208*	2/0	0.38	0.620	0.695	0.060	1.52	0.86	22.10	442	658	125	186	63	94	175	200	175	190	175	195	3
17001.125308*	3/0	0.43	0.665	0.745	0.080	2.03	0.94	24.38	526	783	158	235	67	100	200	225	200	215	205	225	3
17001.135408*	4/0	0.48	0.720	0.795	0.080	2.03	1.00	25.65	599	891	199	296	72	107	230	260	230	245	235	265	3
17001.136008*	250	0.53	0.770	0.850	0.080	2.03	1.05	27.18	661	984	234	348	77	115	255	290	250	270	260	290	3.5
17001.136208*	350	0.62	0.870	0.945	0.080	2.03	1.14	29.72	807	1201	329	490	84	125	310	350	305	330	325	360	3.5
17001.136508*	500	0.74	0.990	1.065	0.080	2.03	1.27	33.53	1012	1506	468	696	95	141	385	430	370	400	400	450	4
17001.137008*	750	0.91	1.170	1.250	0.080	2.03	1.45	38.35	1349	2008	703	1046	111	165	485	540	455	490	525	585	5
17001.137508*	1000	1.06	1.320	1.400	0.080	2.03	1.60	42.42	1664	2476	937	1394	122	182	565	640	525	565	630	705	5

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(74) of the NEC for triplexed or three single conductor aluminum cables in isolated conduit in air based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient air temperature of 40˚C (104˚F).

(2) Ampacities are in accordance with Table 310.60(C)(78) of the NEC for triplexed or three single conductor aluminum cables in underground ducts (three conductors per duct), based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient earth temperature of 20˚C (68˚F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40˚C (104˚F) the ampacities are based on 75% of the values per Table 310.60(C)(70), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(70).

(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.

Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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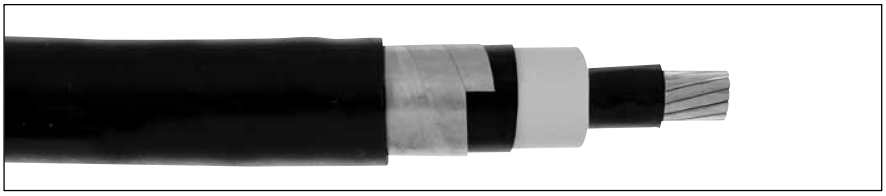
UL® LISTED

Uniblend® CPE High Speed

EPR/Copper Tape Shield/CPE, Medium-Voltage Power, Shielded 5 kV and 8 kV, UL Type MV-105, 133%/100% Ins. Levels, 115 Mils



Product Construction:

Conductor:
- 6 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Jacket:
- Flame-retardant, moisture- and sunlight-resistant Chlorinated Polyethylene (CPE)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105°C
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High Speed low friction technology for easy cable pulling
- High dielectric strength

Features (cont'd.):
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (Sizes 1/0 AWG and larger) UL Flame Exposure Test
- Sizes 1/0 AWG and larger are listed and marked "Sunlight-Resistant FOR CT USE" in accordance with NEC
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)		CONDUIT SIZING (4) (INCHES)
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C	105°C	90°C	105°C	90°C	105°C	
5 kV AND 8 kV, UL TYPE MV-105, 133%/100% INS. LEVELS, 115 MILS																			
17101.120605*	6	0.17	0.415	0.490	0.060	1.52	0.65	16.51	293	436	126	188	83	93	90	97	-	-	2
17101.120405*	4	0.22	0.455	0.535	0.060	1.52	0.70	17.15	363	540	178	265	110	120	115	125	-	-	2.5
17101.120205	2	0.27	0.510	0.590	0.060	1.52	0.76	19.05	469	698	259	385	150	165	155	165	-	-	2.5
17101.120105*	1	0.31	0.545	0.620	0.060	1.52	0.79	20.07	537	799	315	468	170	190	175	185	-	-	2.5
17101.125105	1/0	0.34	0.580	0.655	0.060	1.52	0.82	21.08	621	924	386	575	195	215	200	215	195	220	3
17101.125205	2/0	0.38	0.620	0.695	0.060	1.52	0.86	22.10	726	1080	474	706	225	255	230	245	225	250	3
17101.125305*	3/0	0.43	0.665	0.745	0.080	2.03	0.94	24.38	883	1314	585	871	260	290	260	275	260	290	3
17101.135405	4/0	0.48	0.720	0.795	0.080	2.03	1.00	25.65	1049	1561	725	1080	295	330	295	315	300	335	3
17101.136005	250	0.53	0.770	0.850	0.080	2.03	1.05	27.18	1195	1778	849	1263	330	365	325	345	335	370	3.5
17101.136205	350	0.62	0.870	0.945	0.080	2.03	1.14	29.72	1555	2314	1165	1735	395	440	390	415	415	460	3.5
17101.136505	500	0.74	0.990	1.065	0.080	2.03	1.27	33.53	2083	3100	1639	2439	480	535	465	500	515	575	4
17101.137005	750	0.91	1.170	1.250	0.080	2.03	1.45	38.35	2981	4436	2427	3611	585	655	565	610	665	745	5
17101.137505*	1000	1.06	1.320	1.400	0.080	2.03	1.60	42.42	3808	5666	3210	4777	675	755	640	690	795	890	5

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(73) of the NEC for triplexed or three single conductor copper cables in isolated conduit in air based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient air temperature of 40°C (104°F).

(2) Ampacities are in accordance with Table 310.60(C)(77) of the NEC for triplexed or three single conductor copper cables in underground ducts (three conductors per duct), based on a conductor temperature of 90°C (194 °F) or 105°C (221°F), temperature denoted in column header, and an ambient earth temperature of 20°C (68°F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40°C (104°F) the ampacities are based on 75% of the values per Table 310.60(C)(69), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(69).

(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.

Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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RoHS Compliant Directive 2011/65/EU

General Cable
Phone: 888-593-3355
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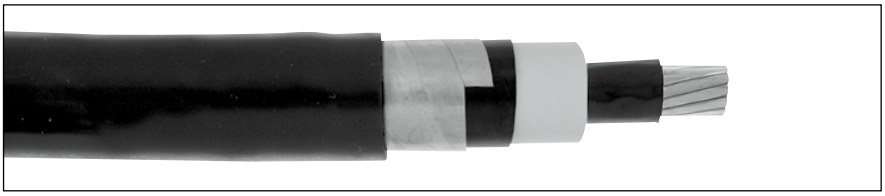
GenFree® Uniblend® High Speed

EPR/Copper Tape Shield/LSZH, Medium-Voltage Power, Shielded 5 kV and 8 kV, UL Type MV-105/ST1, 133%/100% Ins. Levels, 115 Mils



Product Construction:

Conductor:
- 6 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Overall Jacket:
- Lead-free, moisture- and sunlight-resistant Low-Smoke, Zero-Halogen Polyolefin (LSZH)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications

Applications (cont'd.):
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105˚C
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- High Speed low friction technology for easy cable pulling
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35˚C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- ICEA T-33-655
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (Sizes 1/0 AWG and larger) UL Flame Exposure Test
- UL 1685 Vertical Flame and ST1 Smoke Release Test
- Sizes 1/0 AWG and larger are listed and marked "Sunlight-Resistant FOR CT USE" in accordance with NEC
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

* CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE				COPPER WEIGHT		AMPACITY						CONDUIT SIZING (4) (INCHES)
							DIAMETER		WEIGHT				CONDUIT IN AIR (1)		UNDERGROUND DUCT (2)		TRAY (3)		
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90˚C	105˚C	90˚C	105˚C	90˚C	105˚C	
5 kV AND 8 kV, UL TYPE MV-105, 133%/100% INS. LEVELS, 115 MILS																			
17201.120605*	6	0.17	0.415	0.490	0.060	1.52	0.65	16.51	295	439	126	188	83	93	90	97	-	-	2
17201.120405*	4	0.22	0.455	0.535	0.060	1.52	0.70	17.15	365	543	178	265	110	120	115	125	-	-	2.5
17201.120205*	2	0.27	0.510	0.590	0.060	1.52	0.76	19.05	471	701	259	385	150	165	155	165	-	-	2.5
17201.120105*	1	0.31	0.545	0.620	0.060	1.52	0.79	20.07	539	802	315	468	170	190	175	185	-	-	2.5
17201.125105*	1/0	0.34	0.580	0.655	0.060	1.52	0.82	21.08	623	927	386	575	195	215	200	215	195	220	3
17201.125205*	2/0	0.38	0.620	0.695	0.060	1.52	0.86	22.10	728	1083	474	706	225	255	230	245	225	250	3
17201.125305*	3/0	0.43	0.665	0.745	0.080	2.03	0.94	24.38	886	1318	585	871	260	290	260	275	260	290	3
17201.135405*	4/0	0.48	0.720	0.795	0.080	2.03	1.00	25.65	1053	1567	725	1080	295	330	295	315	300	335	3
17201.136005*	250	0.53	0.770	0.850	0.080	2.03	1.05	27.18	1199	1784	849	1263	330	365	325	345	335	370	3.5
17201.136205*	350	0.62	0.870	0.945	0.080	2.03	1.14	29.72	1559	2320	1165	1735	395	440	390	415	415	460	3.5
17201.136505*	500	0.74	0.990	1.065	0.080	2.03	1.27	33.53	2088	3107	1639	2439	480	535	465	500	515	575	4
17201.137005*	750	0.91	1.170	1.250	0.080	2.03	1.45	38.35	2962	4407	2427	3611	585	655	565	610	665	745	5
17201.637505*	1000	1.06	1.320	1.400	0.080	2.03	1.60	42.42	3815	5677	3210	4777	675	755	640	690	795	890	5

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(73) of the NEC for triplexed or three single conductor copper cables in isolated conduit in air based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient air temperature of 40˚C (104˚F).

(2) Ampacities are in accordance with Table 310.60(C)(77) of the NEC for triplexed or three single conductor copper cables in underground ducts (three conductors per duct), based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient earth temperature of 20˚C (68˚F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40˚C (104˚F) the ampacities are based on 75% of the values per Table 310.60(C)(69), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(69).

(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.

Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

General Cable
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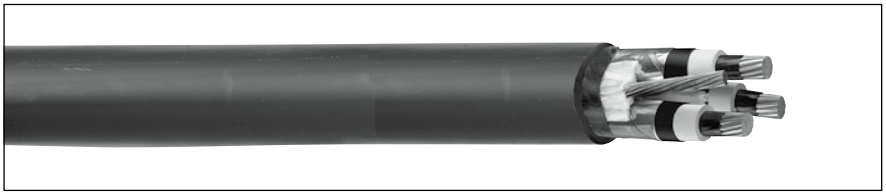
Uniblend® PVC High Speed EPR/Copper Tape Shield with Overall PVC Jacket, Medium-Voltage Power, Shielded, 5 kV and 8 kV UL Type MV-105, 133%/100% Ins. Levels, 115 Mils, Three Conductor



Product Construction:

Conductor:
- 6 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Grounding Conductor:
- 1 bare grounding conductor may be in contact with metallic shielding tape

Overall Jacket:
- Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610
- 3 bare copper ground wires
- Covered ground wires

Applications:
- Suited for use in a broad range of commercial, industrial and utility applications, where reliability is the major concern, space is limited and ease of installation is critical
- In wet or dry locations when installed in accordance with NEC
- In aerial, direct burial, conduit, open tray and underground duct installations

Features:
- Rated at 105°C
- High Speed low friction technology for easy cable pulling
- Excellent heat, moisture and sunlight resistance
- Outstanding corona resistance
- Flexibility for easy handling

Features (cont'd.):
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (70,000 BTU/hr)
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Optional Flame Tests:
- IEEE 1202 (70,000 BTU/hr)/CSA FT4

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		GROUND WIRE (AWG)	NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)	
		INCHES	MIN.	MAX.		INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C	105°C	90°C	105°C	90°C	105°C
5 kV AND 8 kV, UL TYPE MV-105, 133%/100% INS. LEVELS, 115 MILS																			
15493.400605	6	0.17	0.415	0.490	6	0.080	2.03	1.29	32.77	939	1397	460	685	83	92	88	95	93	105
15493.400405	4	0.22	0.455	0.535	6	0.080	2.03	1.39	35.31	1158	1723	616	917	105	120	115	125	120	135
15493.400205	2	0.27	0.510	0.590	6	0.080	2.03	1.51	38.35	1511	2249	860	1279	145	165	150	160	165	185
15493.405105	1/0	0.34	0.580	0.655	4	0.080	2.03	1.67	42.42	2030	3021	1290	1919	195	215	195	210	215	240
15493.405205	2/0	0.38	0.620	0.695	4	0.080	2.03	1.82	46.23	2449	3645	1556	2315	220	245	220	235	245	275
15493.405405	4/0	0.48	0.720	0.795	3	0.110	2.79	2.07	52.58	3438	5116	2344	3488	290	320	285	305	325	360
15493.406005*	250	0.53	0.770	0.850	2	0.110	2.79	2.15	54.61	3968	5904	2759	4105	315	350	310	335	360	400
15493.406205	350	0.62	0.870	0.945	2	0.110	2.79	2.36	59.94	5009	7454	3713	5525	385	430	375	400	435	490
15493.406505	500	0.74	0.990	1.065	1	0.110	2.79	2.64	67.06	6793	10065	5191	7724	470	525	450	485	535	600
15493.407005*	750	0.91	1.170	1.250	1/0	0.140	3.56	3.14	79.76	9833	14633	7629	11352	570	635	545	585	670	745
15493.407505*	1000	1.06	1.320	1.400	2/0	0.140	3.56	3.48	88.39	12601	18753	10070	14985	650	725	615	660	770	860

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(75) of the NEC for three conductor copper cable in isolated conduit in air based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient air temperature of 40°C (104°F).

(2) Ampacities are in accordance with Table 310.60(C)(79) of the NEC for three conductor copper cable in underground ducts (three conductors per duct), based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient earth temperature of 20°C (68°F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on three conductor Type MV-105 cables in single layer in an uncovered tray with maintained spacing of not less than one cable diameter between cables, in accordance with Section 392.80(B)(1) of the NEC at an ambient air temperature of 40°C (104°F); the ampacities are per Table 310.60(C)(71), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 95% of the values in NEC Table 310.60(C)(75).

Note: a) All sizes are "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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RoHS Compliant Directive 2011/65/EU

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Uniblend® CPE High Speed

EPR/Copper Tape Shield with Overall CPE Jacket, Medium-Voltage Power, Shielded 5 kV and 8 kV, UL Type MV-105, 133%/100% Ins. Levels, 115 Mils, Three Conductor

XTRA LOW FRICTION XLF TECHNOLOGY

Product Construction:

Conductor:
- 6 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Grounding Conductor:
- 1 bare grounding conductor may be in contact with metallic shielding tape

Overall Jacket:
- Flame-retardant, moisture- and sunlight-resistant Chlorinated Polyethylene (CPE)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Suited for use in a broad range of commercial, industrial and utility applications, where reliability is the major concern, space is limited and ease of installation is critical
- In wet or dry locations when installed in accordance with NEC
- In aerial, direct burial, conduit, open tray and underground duct installations

Features:
- Rated at 105˚C
- Excellent heat, moisture and sunlight resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High Speed low friction technology for easy cable pulling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35˚C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (70,000 BTU/hr)
- OSHA Acceptable
- RoHS Compliant

Optional Flame Tests:
- IEEE 1202 (70,000 BTU/hr)/CSA FT4

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		GROUND WIRE (AWG)	NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)	
		INCHES	MIN.	MAX.		INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90˚C	105˚C	90˚C	105˚C	90˚C	105˚C
5 kV AND 8 kV, UL TYPE MV-105, 133%/100% INS. LEVELS, 115 MILS																			
15593.400605*	6	0.17	0.415	0.490	6	0.080	2.03	1.29	32.77	939	1397	460	685	83	92	88	95	93	105
15593.400405*	4	0.22	0.455	0.535	6	0.080	2.03	1.39	35.31	1158	1723	616	917	105	120	115	125	120	135
15593.400205*	2	0.27	0.510	0.590	6	0.080	2.03	1.51	38.35	1511	2249	860	1279	145	165	150	160	165	185
15593.405105*	1/0	0.34	0.580	0.655	4	0.080	2.03	1.67	42.42	2030	3021	1290	1919	195	215	195	210	215	240
15593.405205*	2/0	0.38	0.620	0.695	4	0.080	2.03	1.82	46.23	2449	3645	1556	2315	220	245	220	235	245	275
15593.405405*	4/0	0.48	0.720	0.795	3	0.110	2.79	2.07	52.58	3438	5116	2344	3488	290	320	285	305	325	360
15593.406005*	250	0.53	0.770	0.850	2	0.110	2.79	2.15	54.61	3968	5904	2759	4105	315	350	310	335	360	400
15593.406205*	350	0.62	0.870	0.945	2	0.110	2.79	2.36	59.94	5009	7454	3713	5525	385	430	375	400	435	490
15593.406505*	500	0.74	0.990	1.065	1	0.110	2.79	2.64	67.06	6793	10065	5191	7724	470	525	450	485	535	600
15593.407005*	750	0.91	1.170	1.250	1/0	0.140	3.56	3.14	79.76	9833	14633	7629	11352	570	635	545	585	670	745
15593.407505*	1000	1.06	1.320	1.400	2/0	0.140	3.56	3.48	88.39	12601	18753	10070	14985	650	725	615	660	770	860

Dimensions and weights are nominal. Subject to industry tolerances.
* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.
(1) Ampacities are in accordance with Table 310.60(C)(75) of the NEC for three conductor copper cable in isolated conduit in air based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient air temperature of 40˚C (104˚F).
(2) Ampacities are in accordance with Table 310.60(C)(79) of the NEC for three conductor copper cable in underground ducts (three conductors per duct), based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient earth temperature of 20˚C (68˚F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.
(3) Ampacities are based on three conductor Type MV-105 cables in single layer in an uncovered tray with maintained spacing of not less than one cable diameter between cables, in accordance with Section 392.80(B)(1) of the NEC at an ambient air temperature of 40˚C (104˚F); the ampacities are per Table 310.60(C)(71), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 95% of the values in NEC Table 310.60(C)(75).
Note: a) All sizes are “FOR CT USE”.
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

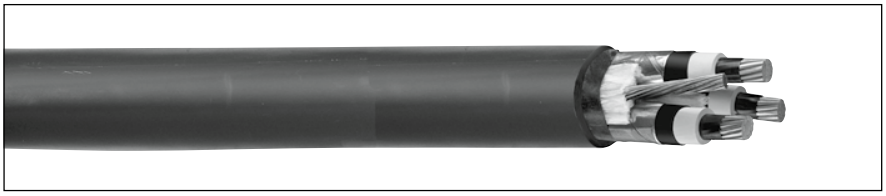
General Cable
Phone: 888-593-3355
www.generalcable.com

RoHS Compliant Directive 2011/65/EU

UL® LISTED

GenFree® Uniblend® High Speed

EPR/Copper Tape Shield with Overall LSZH Jacket, Medium-Voltage Power, Shielded 5 kV and 8 kV, UL Type MV-105, 133%/100% Ins. Levels, 115 Mils, Three Conductor



Product Construction:

Conductor:
- 6 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Grounding Conductor:
- 1 bare grounding conductor may be in contact with metallic shielding tape

Overall Jacket:
- Lead-free, moisture- and sunlight-resistant Low-Smoke, Zero-Halogen Polyolefin (LSZH)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Suited for use in a broad range of commercial, industrial and utility applications, where reliability is the major concern, space is limited and ease of installation is critical
- In wet or dry locations when installed in accordance with NEC
- In aerial, direct burial, conduit, open tray and underground duct installations

Features:
- Rated at 105°C
- Excellent heat, moisture and sunlight resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High Speed low friction technology for easy cable pulling
- High dielectric strength

Features (cont'd.):
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- ICEA T-33-655
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (70,000 BTU/hr)
- OSHA Acceptable
- RoHS Compliant

Optional Flame Tests:
- IEEE 1202 (70,000 BTU/hr)/CSA FT4

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		GROUND WIRE (AWG)	NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)	
		INCHES	MIN.	MAX.		INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C	105°C	90°C	105°C	90°C	105°C
5 kV AND 8 kV, UL TYPE MV-105, 133%/100% INS. LEVELS, 115 MILS																			
15693.400605*	6	0.17	0.415	0.490	6	0.080	2.03	1.29	32.77	939	1397	460	685	83	92	88	95	93	105
15693.400405*	4	0.22	0.455	0.535	6	0.080	2.03	1.39	35.31	1158	1723	616	917	105	120	115	125	120	135
15693.400205*	2	0.27	0.510	0.590	6	0.080	2.03	1.51	38.35	1511	2249	860	1279	145	165	150	160	165	185
15693.405105*	1/0	0.34	0.580	0.655	4	0.080	2.03	1.67	42.42	2030	3021	1290	1919	195	215	195	210	215	240
15693.405205*	2/0	0.38	0.620	0.695	4	0.080	2.03	1.82	46.23	2449	3645	1556	2315	220	245	220	235	245	275
15693.405405*	4/0	0.48	0.720	0.795	3	0.110	2.79	2.07	52.58	3438	5116	2344	3488	290	320	285	305	325	360
15693.406005*	250	0.53	0.770	0.850	2	0.110	2.79	2.15	54.61	3968	5904	2759	4105	315	350	310	335	360	400
15693.406205*	350	0.62	0.870	0.945	2	0.110	2.79	2.36	59.94	5009	7454	3713	5525	385	430	375	400	435	490
15693.406505*	500	0.74	0.990	1.065	1	0.110	2.79	2.64	67.06	6793	10065	5191	7724	470	525	450	485	535	600
15693.407005*	750	0.91	1.170	1.250	1/0	0.140	3.56	3.14	79.76	9833	14633	7629	11352	570	635	545	585	670	745
15693.407505*	1000	1.06	1.320	1.400	2/0	0.140	3.56	3.48	88.39	12601	18753	10070	14985	650	725	615	660	770	860

Dimensions and weights are nominal. Subject to industry tolerances.
* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.
(1) Ampacities are in accordance with Table 310.60(C)(75) of the NEC for three conductor copper cable in isolated conduit in air based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient air temperature of 40°C (104°F).
(2) Ampacities are in accordance with Table 310.60(C)(79) of the NEC for three conductor copper cable in underground ducts (three conductors per duct), based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient earth temperature of 20°C (68°F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.
(3) Ampacities are based on three conductor Type MV-105 cables in single layer in an uncovered tray with maintained spacing of not less than one cable diameter between cables, in accordance with Section 392.80(B)(1) of the NEC at an ambient air temperature of 40°C (104°F); the ampacities are per Table 310.60(C)(71), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 95% of the values in NEC Table 310.60(C)(75).
Note: a) All sizes are "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

General Cable
Phone: 888-593-3355
www.generalcable.com

Uniblend® PVC High Speed

EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 15 kV, UL Type MV-105, 133% Ins. Level, 220 Mils

Product Construction:

Conductor:
- 2 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

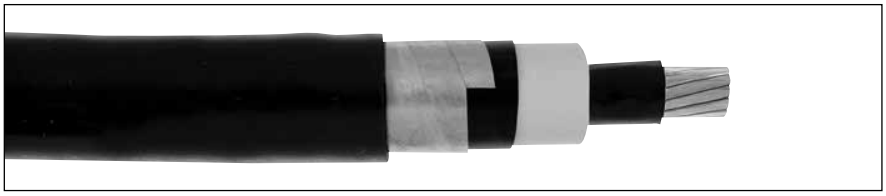
Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Jacket:
- Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications



Applications (cont'd.):
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105˚C
- High Speed low friction technology for easy cable pulling
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35˚C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (Sizes 1/0 AWG and larger) UL Flame Exposure Test
- Sizes 1/0 AWG and larger are listed and marked "Sunlight-Resistant FOR CT USE" in accordance with NEC
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)		CONDUIT SIZING (4) (INCHES)
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90˚C	105˚C	90˚C	105˚C	90˚C	105˚C	
15 kV¥, UL TYPE MV-105, 133% INS. LEVEL, 220 MILS																			
17031.130205	2	0.27	0.710	0.800	0.080	2.03	0.99	25.14	658	979	276	411	150	165	155	165	-	-	3
17031.130105*	1	0.31	0.745	0.830	0.080	2.03	1.02	25.91	733	1090	332	494	170	190	175	185	-	-	3.5
17031.135105	1/0	0.34	0.780	0.865	0.080	2.03	1.06	26.92	825	1228	403	600	195	215	200	215	195	220	3.5
17031.135205	2/0	0.38	0.820	0.905	0.080	2.03	1.10	27.94	938	1396	492	732	225	255	230	245	225	250	3.5
17031.135305*	3/0	0.43	0.865	0.955	0.080	2.03	1.14	28.95	1078	1604	603	897	260	290	260	275	260	290	3.5
17031.135405	4/0	0.48	0.920	1.005	0.080	2.03	1.21	30.73	1261	1876	743	1105	295	330	295	315	300	335	4
17031.136005	250	0.53	0.970	1.060	0.080	2.03	1.25	31.75	1407	2093	866	1289	330	365	325	345	335	370	4
17031.136205	350	0.62	1.070	1.155	0.080	2.03	1.35	34.29	1783	2653	1184	1761	395	440	390	415	415	460	5
17031.136505	500	0.74	1.190	1.275	0.080	2.03	1.47	37.34	2331	3468	1657	2466	480	535	465	500	515	575	5
17031.137005	750	0.91	1.370	1.460	0.080	2.03	1.65	41.91	3234	4812	2445	3638	585	655	565	610	665	745	6
17031.137505	1000	1.06	1.520	1.610	0.110	2.79	1.86	47.24	4219	6278	3228	4803	675	755	640	690	795	890	6

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(73) of the NEC for triplexed or three single conductor copper cables in isolated conduit in air based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient air temperature of 40˚C (104˚F).

(2) Ampacities are in accordance with Table 310.60(C)(77) of the NEC for triplexed or three single conductor copper cables in underground ducts (three conductors per duct), based on a conductor temperature of 90˚C (194 ˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient earth temperature of 20˚C (68˚F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40˚C (104˚F) the ampacities are based on 75% of the values per Table 310.60(C)(69), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(69).

(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.

¥ 100% insulation level is available upon request.

Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

General Cable
Phone: 888-593-3355
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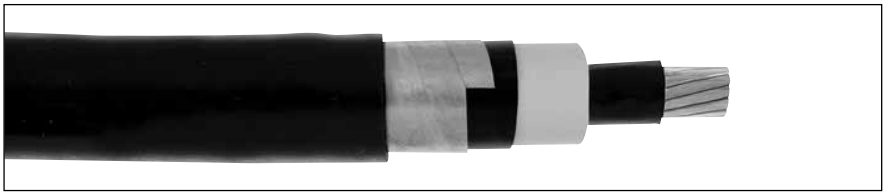
RoHS Compliant Directive 2011/65/EU

UL LISTED

Aluminum Uniblend® PVC High Speed

EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 15 kV, UL Type MV-105, 133% Ins. Level, 220 Mils



Product Construction:

Conductor:
- 2 AWG thru 1000 kcmil 1350 aluminum compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Jacket:
- Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105°C
- High Speed low friction technology for easy cable pulling
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant

Features (cont'd.):
- Meets cold bend test at -35°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (Sizes 1/0 AWG and larger) UL Flame Exposure Test
- Sizes 1/0 AWG and larger are listed and marked "Sunlight-Resistant FOR CT USE" in accordance with NEC
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
  EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		ALUMINUM WEIGHT		COPPER WEIGHT		AMPACITY: CONDUIT IN AIR (1)		AMPACITY: UNDERGROUND DUCT (2)		AMPACITY: TRAY (3)		CONDUIT SIZING (4) (INCHES)
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C	105°C	90°C	105°C	90°C	105°C	
15 kV¥, UL TYPE MV-105, 133% INS. LEVEL, 220 MILS																					
17031.130208*	2	0.27	0.710	0.800	0.080	2.03	0.99	25.14	515	767	62	92	71	106	115	130	120	130	-	-	3
17031.130108*	1	0.31	0.745	0.830	0.080	2.03	1.02	25.91	553	822	78	116	74	110	130	150	135	145	-	-	3.5
17031.135108	1/0	0.34	0.780	0.865	0.080	2.03	1.06	26.92	598	890	99	147	77	115	150	170	155	165	150	170	3.5
17031.135208*	2/0	0.38	0.820	0.905	0.080	2.03	1.10	27.94	652	970	125	186	81	121	175	200	175	190	175	195	3.5
17031.135308*	3/0	0.43	0.865	0.955	0.080	2.03	1.14	28.95	718	1068	158	235	85	126	200	225	200	215	205	225	3.5
17031.135408	4/0	0.48	0.920	1.005	0.080	2.03	1.21	30.73	807	1201	199	296	90	134	230	260	230	245	235	265	4
17031.136008*	250	0.53	0.970	1.060	0.080	2.03	1.25	31.75	869	1293	234	348	94	140	255	290	250	270	260	290	4
17031.136208	350	0.62	1.070	1.155	0.080	2.03	1.35	34.29	1031	1534	329	490	103	153	310	350	305	330	325	360	5
17031.136508	500	0.74	1.190	1.275	0.080	2.03	1.47	37.34	1255	1868	468	696	113	168	385	430	370	400	400	450	5
17031.137008	750	0.91	1.370	1.460	0.080	2.03	1.65	41.91	1621	2412	703	1046	129	192	485	540	455	490	515	585	6
17031.137508	1000	1.06	1.520	1.610	0.110	2.79	1.86	47.24	2068	3078	937	1394	140	208	565	640	525	565	620	705	6

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(74) of the NEC for triplexed or three single conductor aluminum cables in isolated conduit in air based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient air temperature of 40°C (104°F).

(2) Ampacities are in accordance with Table 310.60(C)(78) of the NEC for triplexed or three single conductor aluminum cables in underground ducts (three conductors per duct), based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient earth temperature of 20°C (68°F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40°C (104°F) the ampacities are based on 75% of the values per Table 310.60(C)(70), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(70).

(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.

¥ 100% insulation level is available upon request.

Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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RoHS Compliant Directive 2011/65/EU

General Cable
Phone: 888-593-3355
www.generalcable.com

Uniblend® CPE High Speed

EPR/Copper Tape Shield/CPE, Medium-Voltage Power, Shielded 15 kV, UL Type MV-105, 133% Ins. Level, 220 Mils

Product Construction:

Conductor:
- 2 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

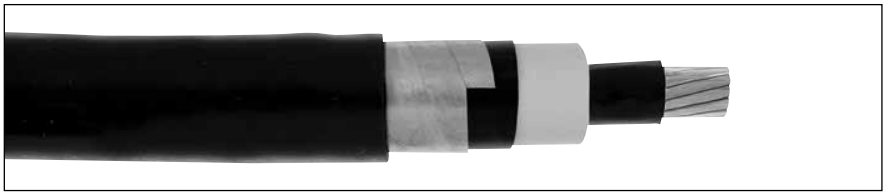
Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Jacket:
- Flame-retardant, moisture- and sunlight-resistant Chlorinated Polyethylene (CPE)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications



Applications (cont'd.):
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105˚C
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High Speed low friction technology for easy cable pulling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35˚C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (Sizes 1/0 AWG and larger) UL Flame Exposure Test
- Sizes 1/0 AWG and larger are listed and marked "Sunlight-Resistant FOR CT USE" in accordance with NEC
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE				COPPER WEIGHT		AMPACITY						CONDUIT SIZING (4) (INCHES)
							DIAMETER		WEIGHT				CONDUIT IN AIR (1)		UNDERGROUND DUCT (2)		TRAY (3)		
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90˚C	105˚C	90˚C	105˚C	90˚C	105˚C	
15 kV¥, UL TYPE MV-105, 133% INS. LEVEL, 220 MILS																			
17131.130205	2	0.27	0.710	0.800	0.080	2.03	0.99	25.14	655	975	276	411	150	165	155	165	-	-	3
17131.130105	1	0.31	0.745	0.830	0.080	2.03	1.02	25.91	730	1086	332	494	170	190	175	185	-	-	3.5
17131.135105	1/0	0.34	0.780	0.865	0.080	2.03	1.06	26.92	820	1220	403	600	195	215	200	215	195	220	3.5
17131.135205	2/0	0.38	0.820	0.905	0.080	2.03	1.10	27.94	933	1388	492	732	225	255	230	245	225	250	3.5
17131.135305*	3/0	0.43	0.865	0.955	0.080	2.03	1.14	28.95	1072	1595	603	897	260	290	260	275	260	290	3.5
17131.135405	4/0	0.48	0.920	1.005	0.080	2.03	1.21	30.73	1248	1857	743	1105	295	330	295	315	300	335	4
17131.136005	250	0.53	0.970	1.060	0.080	2.03	1.25	31.75	1402	2086	866	1289	330	365	325	345	335	370	4
17131.136205	350	0.62	1.070	1.155	0.080	2.03	1.35	34.29	1778	2646	1184	1761	395	440	390	415	415	460	5
17131.136505	500	0.74	1.190	1.275	0.080	2.03	1.47	37.34	2325	3460	1657	2466	480	535	465	500	515	575	5
17131.137005	750	0.91	1.370	1.460	0.080	2.03	1.65	41.91	3250	4836	2445	3638	585	655	565	610	665	745	6
17131.637505	1000	1.06	1.520	1.610	0.110	2.79	1.86	47.24	4209	6263	3228	4803	675	755	640	690	795	890	6

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(73) of the NEC for triplexed or three single conductor copper cables in isolated conduit in air based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient air temperature of 40˚C (104˚F).

(2) Ampacities are in accordance with Table 310.60(C)(77) of the NEC for triplexed or three single conductor copper cables in underground ducts (three conductors per duct), based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient earth temperature of 20˚C (68˚F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40˚C (104˚F) the ampacities are based on 75% of the values per Table 310.60(C)(69), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(69).

(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.

¥ 100% insulation level is available upon request.

Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

General Cable
Phone: 888-593-3355
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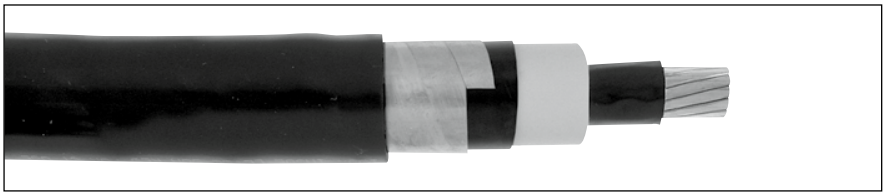
GenFree® Uniblend® High Speed

EPR/Copper Tape Shield/LSZH, Medium-Voltage Power, Shielded 15 kV, UL Type MV-105/ST1, 133% Ins. Level, 220 Mils



Product Construction:

Conductor:
- 2 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Overall Jacket:
- Lead-free, moisture- and sunlight-resistant Low-Smoke, Zero-Halogen Polyolefin (LSZH)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105°C
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High Speed low friction technology for easy cable pulling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant

Features (cont'd.):
- Meets cold bend test at -35°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- ICEA T-33-655
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (Sizes 1/0 AWG and larger) UL Flame Exposure Test
- UL 1685 Vertical Flame and ST1 Smoke Release Test
- Sizes 1/0 AWG and larger are listed and marked "Sunlight-Resistant FOR CT USE" in accordance with NEC
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)		CONDUIT SIZING (4) (INCHES)
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C	105°C	90°C	105°C	90°C	105°C	
15 kV¥, UL TYPE MV-105, 133% INS. LEVEL, 220 MILS																			
17231.130205*	2	0.27	0.710	0.800	0.080	2.03	0.99	25.14	658	979	276	411	150	165	155	165	-	-	3
17231.130105*	1	0.31	0.745	0.830	0.080	2.03	1.02	25.91	733	1090	332	494	170	190	175	185	-	-	3.5
17231.135105*	1/0	0.34	0.780	0.865	0.080	2.03	1.06	26.92	825	1228	403	600	195	215	200	215	195	220	3.5
17231.135205*	2/0	0.38	0.820	0.905	0.080	2.03	1.10	27.94	938	1396	492	732	225	255	230	245	225	250	3.5
17231.135305*	3/0	0.43	0.865	0.955	0.080	2.03	1.14	28.95	1078	1604	603	897	260	290	260	275	260	290	3.5
17231.135405*	4/0	0.48	0.920	1.005	0.080	2.03	1.21	30.73	1261	1876	743	1105	295	330	295	315	300	335	4
17231.136005*	250	0.53	0.970	1.060	0.080	2.03	1.25	31.75	1407	2093	866	1289	330	365	325	345	335	370	4
17231.136205*	350	0.62	1.070	1.155	0.080	2.03	1.35	34.29	1783	2653	1184	1761	395	440	390	415	415	460	5
17231.136505*	500	0.74	1.190	1.275	0.080	2.03	1.47	37.34	2331	3468	1657	2466	480	535	465	500	515	575	5
17231.137005*	750	0.91	1.370	1.460	0.080	2.03	1.65	41.91	3234	4812	2445	3638	585	655	565	610	665	745	6
17231.137505*	1000	1.06	1.520	1.610	0.110	2.79	1.86	47.24	4219	6278	3228	4803	675	755	640	690	795	890	6

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(73) of the NEC for triplexed or three single conductor copper cables in isolated conduit in air based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient air temperature of 40°C (104°F).

(2) Ampacities are in accordance with Table 310.60(C)(77) of the NEC for triplexed or three single conductor copper cables in underground ducts (three conductors per duct), based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient earth temperature of 20°C (68°F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40°C (104°F) the ampacities are based on 75% of the values per Table 310.60(C)(69), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(69).

(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.

¥ 100% insulation level is available upon request.

Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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RoHS Compliant Directive 2011/65/EU

GREEN INITIATIVE

General Cable
Phone: 888-593-3355
www.generalcable.com

Uniblend® PVC High Speed EPR/Copper Tape Shield with Overall PVC Jacket, Medium-Voltage Power, Shielded, 15 kV UL Type MV-105, 133% Ins. Level, 220 Mils, Three Conductor

XTRA LOW FRICTION XLF TECHNOLOGY

Product Construction:

Conductor:
- 2 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Grounding Conductor:
- 1 bare grounding conductor may be in contact with metallic shielding tape

Overall Jacket:
- Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Suited for use in a broad range of commercial, industrial and utility applications, where reliability is the major concern, space is limited and ease of installation is critical
- In wet or dry locations when installed in accordance with NEC
- In aerial, direct burial, conduit, open tray and underground duct installations

Features:
- Rated at 105˚C
- High Speed low friction technology for easy cable pulling
- Excellent heat, moisture and sunlight resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35˚C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (70,000 BTU/hr)
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Optional Flame Tests:
- IEEE 1202 (70,000 BTU/hr)/CSA FT4

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		GROUND WIRE (AWG)	NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)	
		INCHES	MIN.	MAX.		INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90˚C	105˚C	90˚C	105˚C	90˚C	105˚C
15 kV¥, UL TYPE MV-105, 133% INS. LEVEL, 220 MILS, THREE CONDUCTOR																			
15493.440205	2	0.27	0.710	0.800	6	0.110	2.79	2.04	51.82	2226	3313	913	1358	145	165	150	160	165	185
15493.445105	1/0	0.34	0.780	0.865	4	0.110	2.79	2.20	55.88	2811	4183	1343	1998	195	215	195	210	215	240
15493.445205	2/0	0.38	0.820	0.905	4	0.110	2.79	2.30	58.42	3163	4707	1609	2394	220	245	220	235	245	275
15493.445405	4/0	0.48	0.920	1.005	3	0.110	2.79	2.52	64.01	4203	6255	2398	3567	290	320	285	305	325	360
15493.446005*	250	0.53	0.970	1.060	2	0.110	2.79	2.66	67.56	4775	7106	2812	4184	315	350	310	335	360	400
15493.446205	350	0.62	1.070	1.155	2	0.110	2.79	2.94	74.68	6182	9200	3766	5604	385	430	375	400	435	490
15493.446505	500	0.74	1.190	1.275	1	0.140	3.56	3.21	81.53	7686	11438	5244	7803	470	525	450	485	535	600
15493.447005*	750	0.91	1.370	1.460	1/0	0.140	3.56	3.61	91.69	10978	16337	7682	11431	570	635	545	585	670	745
15493.447505*	1000	1.06	1.520	1.610	2/0	0.140	3.56	3.99	101.35	13983	20810	10124	15064	650	725	615	660	770	860

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(75) of the NEC for three conductor copper cable in isolated conduit in air based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient air temperature of 40˚C (104˚F).

(2) Ampacities are in accordance with Table 310.60(C)(79) of the NEC for three conductor copper cable in underground ducts (three conductors per duct), based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient earth temperature of 20˚C (68˚F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on three conductor Type MV-105 cables in single layer in an uncovered tray with maintained spacing of not less than one cable diameter between cables, in accordance with Section 392.80(B)(1) of the NEC at an ambient air temperature of 40˚C (104˚F); the ampacities are per Table 310.60(C)(71), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 95% of the values in NEC Table 310.60(C)(75).

¥ 100% insulation level is available upon request.

Note: a) All sizes are "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

General Cable
Phone: 888-593-3355
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RoHS Compliant Directive 2011/65/EU

UL LISTED

Uniblend® CPE High Speed

EPR/Copper Tape Shield with Overall CPE Jacket, Medium-Voltage Power, Shielded 15 kV, UL Type MV-105, 133% Ins. Level, 220 Mils, Three Conductor

Product Construction:

Conductor:
- 2 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Grounding Conductor:
- 1 bare grounding conductor may be in contact with metallic shielding tape

Overall Jacket:
- Flame-retardant, moisture- and sunlight-resistant Chlorinated Polyethylene (CPE)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Suited for use in a broad range of commercial, industrial and utility applications, where reliability is the major concern, space is limited and ease of installation is critical
- In wet or dry locations when installed in accordance with NEC
- In aerial, direct burial, conduit, open tray and underground duct installations

Features:
- Rated at 105°C
- Excellent heat, moisture and sunlight resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High Speed low friction technology for easy cable pulling
- High dielectric strength

Features (cont'd.):
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (70,000 BTU/hr)
- OSHA Acceptable
- RoHS Compliant

Optional Flame Tests:
- IEEE 1202 (70,000 BTU/hr)/CSA FT4

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		GROUND WIRE (AWG)	NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)	
		INCHES	MIN.	MAX.		INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C	105°C	90°C	105°C	90°C	105°C
15 kV¥, UL TYPE MV-105, 133% INS. LEVEL, 220 MILS, THREE CONDUCTOR																			
15593.440205*	2	0.27	0.710	0.800	6	0.110	2.79	2.04	51.82	2226	3313	913	1358	145	165	150	160	165	185
15593.445105*	1/0	0.34	0.780	0.865	4	0.110	2.79	2.20	55.88	2811	4183	1343	1998	195	215	195	210	215	240
15593.445205*	2/0	0.38	0.820	0.905	4	0.110	2.79	2.30	58.42	3163	4707	1609	2394	220	245	220	235	245	275
15593.445405*	4/0	0.48	0.920	1.005	3	0.110	2.79	2.52	64.01	4203	6255	2398	3567	290	320	285	305	325	360
15593.446005*	250	0.53	0.970	1.060	2	0.110	2.79	2.66	67.56	4775	7106	2812	4184	315	350	310	335	360	400
15593.446205*	350	0.62	1.070	1.155	2	0.110	2.79	2.94	74.68	6182	9200	3766	5604	385	430	375	400	435	490
15593.446505*	500	0.74	1.190	1.275	1	0.140	3.56	3.21	81.53	7686	11438	5244	7803	470	525	450	485	535	600
15593.447005*	750	0.91	1.370	1.460	1/0	0.140	3.56	3.61	91.69	10978	16337	7682	11431	570	635	545	585	670	745
15593.447505*	1000	1.06	1.520	1.610	2/0	0.140	3.56	3.99	101.35	13983	20810	10124	15064	650	725	615	660	770	860

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(75) of the NEC for three conductor copper cable in isolated conduit in air based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient air temperature of 40°C (104°F).

(2) Ampacities are in accordance with Table 310.60(C)(79) of the NEC for three conductor copper cable in underground ducts (three conductors per duct), based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient earth temperature of 20°C (68°F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on three conductor Type MV-105 cables in single layer in an uncovered tray with maintained spacing of not less than one cable diameter between cables, in accordance with Section 392.80(B)(1) of the NEC at an ambient air temperature of 40°C (104°F); the ampacities are per Table 310.60(C)(71), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 95% of the values in NEC Table 310.60(C)(75).

¥ 100% insulation level is available upon request.

Note: a) All sizes are "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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General Cable
Phone: 888-593-3355
www.generalcable.com

SPEC 6480
September, 2016

GenFree® Uniblend® High Speed

EPR/Copper Tape Shield with Overall LSZH Jacket, Medium-Voltage Power, Shielded 15 kV, UL Type MV-105, 133% Ins. Level, 220 Mils, Three Conductor

Product Construction:

Conductor:
- 2 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

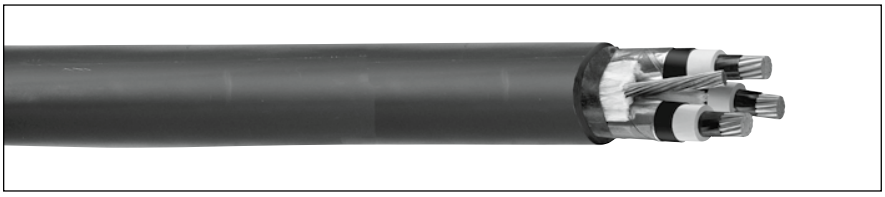
Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Grounding Conductor:
- 1 bare grounding conductor may be in contact with metallic shielding tape

Overall Jacket:
- Lead-free, moisture- and sunlight-resistant Low-Smoke, Zero-Halogen Polyolefin (LSZH)

Options:
- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610



Applications:
- Suited for use in a broad range of commercial, industrial and utility applications, where reliability is the major concern, space is limited and ease of installation is critical
- In wet or dry locations when installed in accordance with NEC
- In aerial, direct burial, conduit, open tray and underground duct installations

Features:
- Rated at 105˚C
- Excellent heat, moisture and sunlight resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High Speed low friction technology for easy cable pulling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35˚C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- ICEA T-33-655
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (70,000 BTU/hr)
- OSHA Acceptable
- RoHS Compliant

Optional Flame Tests:
- IEEE 1202 (70,000 BTU/hr)/CSA FT4

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		GROUND WIRE (AWG)	NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)	
		INCHES	MIN.	MAX.		INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90˚C	105˚C	90˚C	105˚C	90˚C	105˚C
15 kV¥, UL TYPE MV-105, 133% INS. LEVEL, 220 MILS, THREE CONDUCTOR																			
15793.440205*	2	0.27	0.710	0.800	6	0.110	2.79	2.04	51.82	2226	3313	913	1358	145	165	150	160	165	185
15793.445105*	1/0	0.34	0.780	0.865	4	0.110	2.79	2.20	55.88	2811	4183	1343	1998	195	215	195	210	215	240
15793.445205*	2/0	0.38	0.820	0.905	4	0.110	2.79	2.30	58.42	3163	4707	1609	2394	220	245	220	235	245	275
15793.445405*	4/0	0.48	0.920	1.005	3	0.110	2.79	2.52	64.01	4203	6255	2398	3567	290	320	285	305	325	360
15793.446005*	250	0.53	0.970	1.060	2	0.110	2.79	2.66	67.56	4775	7106	2812	4184	315	350	310	335	360	400
15793.446205*	350	0.62	1.070	1.155	2	0.110	2.79	2.94	74.68	6182	9200	3766	5604	385	430	375	400	435	490
15793.446505*	500	0.74	1.190	1.275	1	0.140	3.56	3.21	81.53	7686	11438	5244	7803	470	525	450	485	535	600
15793.447005*	750	0.91	1.370	1.460	1/0	0.140	3.56	3.61	91.69	10978	16337	7682	11431	570	635	545	585	670	745
15793.447505*	1000	1.06	1.520	1.610	2/0	0.140	3.56	3.99	101.35	13983	20810	10124	15064	650	725	615	660	770	860

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(75) of the NEC for three conductor copper cable in isolated conduit in air based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient air temperature of 40˚C (104˚F).

(2) Ampacities are in accordance with Table 310.60(C)(79) of the NEC for three conductor copper cable in underground ducts (three conductors per duct), based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient earth temperature of 20˚C (68˚F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on three conductor Type MV-105 cables in single layer in an uncovered tray with maintained spacing of not less than one cable diameter between cables, in accordance with Section 392.80(B)(1) of the NEC at an ambient air temperature of 40˚C (104˚F); the ampacities are per Table 310.60(C)(71), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 95% of the values in NEC Table 310.60(C)(75).

¥ 100% insulation level is available upon request.

Note: a) All sizes are "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

General Cable
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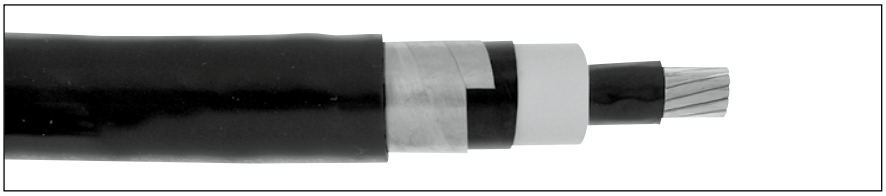
Uniblend® PVC High Speed

EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 25 kV and 35 kV, UL Type MV-105, 133%/100% Ins. Levels, 345 Mils



Product Construction:

Conductor:
- 1/0 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Jacket:
- Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Options:
- STRANDFILL® - blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105˚C
- High Speed low friction technology for easy cable pulling
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance

Features (cont'd.):
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35˚C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 UL Flame Exposure Test
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE				COPPER WEIGHT		AMPACITY						CONDUIT SIZING (4) (INCHES)
							DIAMETER		WEIGHT				CONDUIT IN AIR (1)		UNDERGROUND DUCT (2)		TRAY (3)		
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90˚C	105˚C	90˚C	105˚C	90˚C	105˚C	
25 kV¥ & 35 kV¥¥, UL TYPE MV-105, 133%/100% INS. LEVEL, 345 MILS																			
17061.135105	1/0	0.34	1.020	1.120	0.080	2.03	1.31	33.27	1090	1622	425	633	195	215	200	215	195	220	5
17061.135205*	2/0	0.38	1.060	1.160	0.080	2.03	1.35	34.29	1211	1802	514	765	225	255	230	245	225	250	5
17061.135305*	3/0	0.43	1.105	1.205	0.080	2.03	1.40	35.56	1360	2024	625	930	260	290	260	275	260	285	5
17061.135405	4/0	0.48	1.160	1.260	0.080	2.03	1.45	36.83	1547	2302	765	1138	295	330	295	315	295	335	5
17061.136005*	250	0.53	1.210	1.315	0.080	2.03	1.51	38.35	1712	2547	888	1322	330	365	325	345	330	370	5
17061.136205	350	0.62	1.310	1.410	0.080	2.03	1.60	40.64	2108	3137	1206	1794	395	440	390	415	410	455	5
17061.136505	500	0.74	1.430	1.530	0.080	2.03	1.72	45.21	2650	4141	1679	2498	480	535	465	500	510	565	6
17061.137005	750	0.91	1.610	1.710	0.110	2.79	1.96	49.78	3733	5555	2467	3670	585	655	565	610	655	730	6
17061.137505*	1000	1.06	1.760	1.865	0.110	2.79	2.10	53.59	4651	6921	3250	4836	675	755	640	690	780	870	8

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(73) of the NEC for triplexed or three single conductor copper cables in isolated conduit in air based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient air temperature of 40˚C (104˚F).

(2) Ampacities are in accordance with Table 310.60(C)(77) of the NEC for triplexed or three single conductor copper cables in underground ducts (three conductors per duct), based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient earth temperature of 20˚C (68˚F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40˚C (104˚F) the ampacities are based on 75% of the values per Table 310.60(C)(69), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(69).

(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.

¥ 100% insulation level is available upon request.

¥¥ 133% insulation level is available upon request.

Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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General Cable
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Aluminum Uniblend® PVC High Speed

EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 25 kV and 35 kV, UL Type MV-105, 133%/100% Ins. Levels, 345 Mils

XTRA LOW FRICTION XLF TECHNOLOGY

Product Construction:

Conductor:
- 1/0 AWG thru 1000 kcmil 1350 aluminum compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

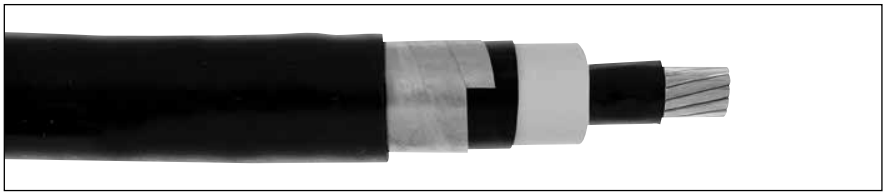
Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Jacket:
- Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Options:
- STRANDFILL® - blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications



Applications (cont'd.):
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105˚C
- High Speed low friction technology for easy cable pulling
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35˚C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 UL Flame Exposure Test
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE				ALUMINUM WEIGHT		COPPER WEIGHT		AMPACITY						CONDUIT SIZING (4) (INCHES)
							DIAMETER		WEIGHT						CONDUIT IN AIR (1)		UNDERGROUND DUCT (2)		TRAY (3)		
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90˚C	105˚C	90˚C	105˚C	90˚C	105˚C	
25 kV¥ & 35 kV¥¥, UL TYPE MV-105, 133%/100% INS. LEVEL, 345 MILS																					
17061.135108*	1/0	0.34	1.020	1.120	0.080	2.03	1.31	33.27	863	1285	99	147	99	147	150	170	155	165	150	170	5
17061.135208*	2/0	0.38	1.060	1.160	0.080	2.03	1.35	34.29	925	1377	125	186	103	153	175	200	175	190	175	195	5
17061.135308*	3/0	0.43	1.105	1.205	0.080	2.03	1.40	35.56	1000	1488	158	235	107	159	200	225	200	215	205	225	5
17061.135408	4/0	0.48	1.160	1.260	0.080	2.03	1.45	36.83	1093	1626	199	296	112	167	230	260	230	245	235	260	5
17061.136008*	250	0.53	1.210	1.315	0.080	2.03	1.51	38.35	1174	1747	234	348	116	173	255	290	250	270	260	285	5
17061.136208	350	0.62	1.310	1.410	0.080	2.03	1.60	40.64	1356	2018	329	490	125	186	310	350	305	330	325	355	5
17061.136508	500	0.74	1.430	1.530	0.080	2.03	1.72	45.21	1707	2540	468	696	135	201	385	430	370	400	400	445	6
17061.137008	750	0.91	1.610	1.710	0.110	2.79	1.96	49.78	2120	3155	703	1046	151	225	485	540	455	490	515	575	6
17061.137508	1000	1.06	1.760	1.865	0.110	2.79	2.10	53.59	2500	3720	937	1394	162	241	565	640	525	565	620	690	8

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(74) of the NEC for triplexed or three single conductor aluminum cables in isolated conduit in air based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient air temperature of 40˚C (104˚F).

(2) Ampacities are in accordance with Table 310.60(C)(78) of the NEC for triplexed or three single conductor aluminum cables in underground ducts (three conductors per duct), based on a conductor temperature of 90˚C (194˚F) or 105˚C (221˚F), temperature denoted in column header, and an ambient earth temperature of 20˚C (68˚F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40˚C (104˚F) the ampacities are based on 75% of the values per Table 310.60(C)(70), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(70).

(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.

¥ 100% insulation level is available upon request.

¥¥ 133% insulation level is available upon request.

Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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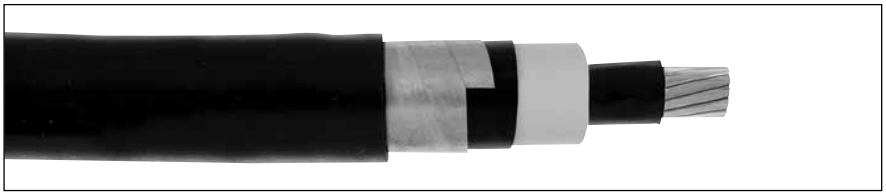
Uniblend® CPE High Speed

EPR/Copper Tape Shield/CPE, Medium-Voltage Power, Shielded 25 kV and 35 kV, UL Type MV-105, 133%/100% Ins. Levels, 345 Mils



Product Construction:

Conductor:
- 1/0 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Jacket:
- Flame-retardant, moisture- and sunlight-resistant Chlorinated Polyethylene (CPE)

Options:
- STRANDFILL® - blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105°C
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High Speed low friction technology for easy cable pulling
- High dielectric strength

Features (cont'd.):
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (Sizes 1/0 AWG and larger) UL Flame Exposure Test
- Sizes 1/0 AWG and larger are listed and marked "Sunlight-Resistant FOR CT USE" in accordance with NEC
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE				COPPER WEIGHT		AMPACITY						CONDUIT SIZING (4) (INCHES)
							DIAMETER		WEIGHT				CONDUIT IN AIR (1)		UNDERGROUND DUCT (2)		TRAY (3)		
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C	105°C	90°C	105°C	90°C	105°C	
25 kV¥ & 35 kV¥¥, UL TYPE MV-105, 133%/100% INS. LEVEL, 345 MILS																			
17161.135105	1/0	0.34	1.020	1.120	0.080	2.03	1.31	33.27	1066	1586	425	633	195	215	200	215	195	220	5
17161.135205*	2/0	0.38	1.060	1.160	0.080	2.03	1.35	34.29	1187	1766	514	765	225	255	230	245	225	250	5
17161.135305*	3/0	0.43	1.105	1.205	0.080	2.03	1.40	35.56	1335	1986	625	930	260	290	260	275	260	285	5
17161.135405	4/0	0.48	1.160	1.260	0.080	2.03	1.45	36.83	1516	2256	765	1138	295	330	295	315	295	335	5
17161.136005*	250	0.53	1.210	1.315	0.080	2.03	1.51	38.35	1681	2501	888	1322	330	365	325	345	330	370	5
17161.136205	350	0.63	1.310	1.410	0.080	2.03	1.60	40.64	2075	3088	1206	1794	395	440	390	415	410	455	5
17161.136505	500	0.74	1.430	1.530	0.080	2.03	1.72	45.21	2650	3934	1679	2498	480	535	465	500	510	565	6
17161.137005	750	0.91	1.610	1.710	0.110	2.79	1.96	49.78	3687	5486	2467	3670	585	655	565	610	655	730	6
17161.137505*	1000	1.06	1.760	1.865	0.110	2.79	2.10	53.59	4603	6849	3250	4836	675	755	640	690	780	870	8

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(73) of the NEC for triplexed or three single conductor copper cables in isolated conduit in air based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient air temperature of 40°C (104°F).

(2) Ampacities are in accordance with Table 310.60(C)(77) of the NEC for triplexed or three single conductor copper cables in underground ducts (three conductors per duct), based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient earth temperature of 20°C (68°F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40°C (104°F) the ampacities are based on 75% of the values per Table 310.60(C)(69), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(69).

(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.

¥ 100% insulation level is available upon request.

¥¥ 133% insulation level is available upon request.

Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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RoHS Compliant Directive 2011/65/EU

General Cable
Phone: 888-593-3355
www.generalcable.com

GenFree® Uniblend® High Speed

EPR/Copper Tape Shield/LSZH, Medium-Voltage Power, Shielded 25 kV and 35 kV, UL Type MV-105/ST1, 133%/100% Ins. Levels, 345 Mils

XTRA LOW FRICTION XLF TECHNOLOGY

17 FREE

Product Construction:

Conductor:
- 1/0 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

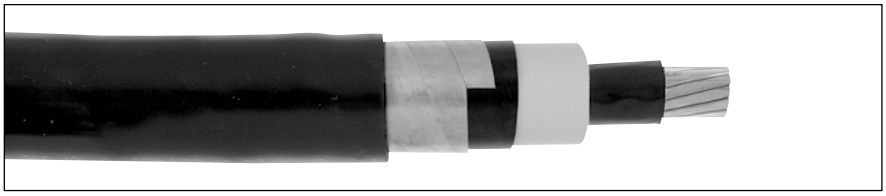
Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Overall Jacket:
- Lead-free, moisture- and sunlight-resistant Low-Smoke, Zero-Halogen Polyolefin (LSZH)

Options:
- STRANDFILL® - blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications



Applications (cont'd.):
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105°C
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High Speed low friction technology for easy cable pulling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- ICEA T-33-655
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (Sizes 1/0 AWG and larger) UL Flame Exposure Test
- UL 1685 Vertical Flame and ST1 Smoke Release Test
- Sizes 1/0 AWG and larger are listed and marked "Sunlight-Resistant FOR CT USE" in accordance with NEC
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		COPPER WEIGHT		AMPACITY CONDUIT IN AIR (1)		AMPACITY UNDERGROUND DUCT (2)		AMPACITY TRAY (3)		CONDUIT SIZING (4) (INCHES)
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C	105°C	90°C	105°C	90°C	105°C	
25 kV¥ & 35 kV¥¥, UL TYPE MV-105, 133%/100% INS. LEVEL, 345 MILS																			
17261.135105*	1/0	0.34	1.020	1.120	0.080	2.03	1.31	33.27	1090	1622	425	633	195	215	200	215	195	220	5
17261.135205*	2/0	0.38	1.060	1.160	0.080	2.03	1.35	34.29	1211	1802	514	765	225	255	230	245	225	250	5
17261.135305*	3/0	0.43	1.105	1.205	0.080	2.03	1.40	35.56	1360	2024	625	930	260	290	260	275	260	285	5
17261.135405*	4/0	0.48	1.160	1.260	0.080	2.03	1.45	36.83	1547	2302	765	1138	295	330	295	315	295	335	5
17261.136005*	250	0.53	1.210	1.315	0.080	2.03	1.51	38.35	1712	2547	888	1322	330	365	325	345	330	370	5
17261.136205*	350	0.62	1.310	1.410	0.080	2.03	1.60	40.64	2108	3137	1206	1794	395	440	390	415	410	455	5
17261.136505*	500	0.74	1.430	1.530	0.080	2.03	1.72	45.21	2650	4141	1679	2498	480	535	465	500	510	565	6
17261.137005*	750	0.91	1.610	1.710	0.110	2.79	1.96	49.78	3733	5555	2467	3670	585	655	565	610	655	730	6
17261.137505*	1000	1.06	1.760	1.865	0.110	2.79	2.10	53.59	4651	6921	3250	4836	675	755	640	690	780	870	8

Dimensions and weights are nominal. Subject to industry tolerances.
* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.
(1) Ampacities are in accordance with Table 310.60(C)(73) of the NEC for triplexed or three single conductor copper cables in isolated conduit in air based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient air temperature of 40°C (104°F).
(2) Ampacities are in accordance with Table 310.60(C)(77) of the NEC for triplexed or three single conductor copper cables in underground ducts (three conductors per duct), based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient earth temperature of 20°C (68°F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.
(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40°C (104°F) the ampacities are based on 75% of the values per Table 310.60(C)(69), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(69).
(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.
¥ 100% insulation level is available upon request.
¥¥ 133% insulation level is available upon request.
Note: a) Sizes smaller than 1/0 AWG do not include "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

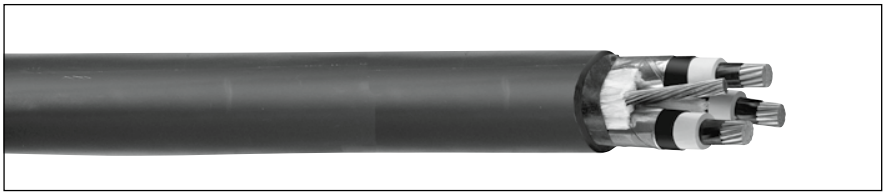
General Cable
Phone: 888-593-3355
www.generalcable.com

GREEN INITIATIVE

RoHS Compliant Directive 2011/65/EU

UL LISTED

Uniblend® PVC High Speed EPR/Copper Tape Shield with Overall PVC Jacket, Medium-Voltage Power, Shielded, 25 kV and 35 kV UL Type MV-105, 133%/100% Ins. Level, 345 Mils, Three Conductor



Product Construction:

Conductor:
- 1/0 AWG thru 750 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Grounding Conductor:
- 1 bare grounding conductor may be in contact with metallic shielding tape

Overall Jacket:
- Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Options:
- STRANDFILL® - blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Suited for use in a broad range of commercial, industrial and utility applications, where reliability is the major concern, space is limited and ease of installation is critical
- Suitable for use in wet or dry locations when installed in accordance with NEC
- In aerial, direct burial, conduit, open tray and underground duct installations

Features:
- Rated at 105°C
- High Speed low friction technology for easy cable pulling
- Excellent heat, moisture and sunlight resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High dielectric strength

Features (cont'd.):
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- UL 1685 (70,000 BTU/hr)
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Optional Flame Tests:
- IEEE 1202 (70,000 BTU/hr)/CSA FT4

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		GROUND WIRE (AWG)	NOMINAL JACKET THICKNESS		NOMINAL CABLE				COPPER WEIGHT		AMPACITY					
								DIAMETER		WEIGHT				CONDUIT IN AIR (1)		UNDERGROUND DUCT (2)		TRAY (3)	
		INCHES	MIN.	MAX.		INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C	105°C	90°C	105°C	90°C	105°C
25 kV¥ & 35 kV¥¥, UL TYPE MV-105, 133%/100% INS. LEVEL, 345 MILS, THREE CONDUCTOR																			
15493.485105*	1/0	0.34	1.020	1.120	4	0.110	2.79	2.73	69.34	3672	5464	1410	2098	195	215	195	210	215	240
15493.485205*	2/0	0.38	1.060	1.160	4	0.110	2.79	2.81	71.37	4061	6042	1675	2492	220	245	220	235	245	275
15493.485405*	4/0	0.48	1.160	1.260	3	0.140	3.56	3.10	78.74	5313	7906	2465	3668	290	320	285	305	325	360
15493.486005*	250	0.53	1.210	1.315	2	0.140	3.56	3.21	81.53	6214	9246	2879	4284	315	350	310	335	360	400
15493.486205*	350	0.62	1.310	1.410	2	0.140	3.56	3.42	86.86	7138	10621	3834	5705	385	430	375	400	435	490
15493.486505*	500	0.74	1.430	1.530	1	0.140	3.56	3.68	93.47	9012	13410	5312	7904	470	525	450	485	535	600
15493.487005*	750	0.91	1.610	1.710	1/0	0.140	3.56	4.10	104.14	12030	17901	7750	11532	570	635	545	585	670	745

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(75) of the NEC for three conductor copper cable in isolated conduit in air based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient air temperature of 40°C (104°F).

(2) Ampacities are in accordance with Table 310.60(C)(79) of the NEC for three conductor copper cable in underground ducts (three conductors per duct), based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient earth temperature of 20°C (68°F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on three conductor Type MV-105 cables in single layer in an uncovered tray with maintained spacing of not less than one cable diameter between cables, in accordance with Section 392.80(B)(1) of the NEC at an ambient air temperature of 40°C (104°F); the ampacities are per Table 310.60(C)(71), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 95% of the values in NEC Table 310.60(C)(75).

¥ 100% insulation level is available upon request.

¥¥ 133% insulation level is available upon request.

Note: a) All sizes are "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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RoHS Compliant Directive 2011/65/EU

General Cable
Phone: 888-593-3355
www.generalcable.com

Uniblend® PVC High Speed

EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 35 kV, UL Type MV-105, 133% Ins. Levels, 420 Mils

Product Construction:

Conductor:
- 1/0 AWG thru 1000 kcmil annealed bare copper compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

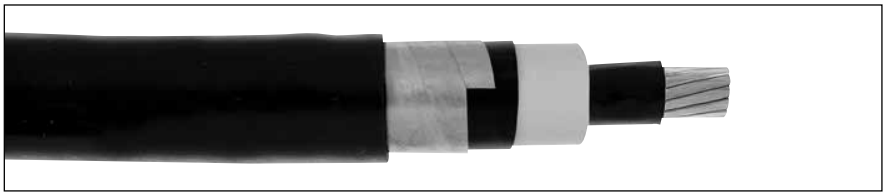
Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Jacket:
- Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Options:
- STRANDFILL® - blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications



Applications (cont'd.):
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105°C
- High Speed low friction technology for easy cable pulling
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE				COPPER WEIGHT		AMPACITY						CONDUIT SIZING (4) (INCHES)
							DIAMETER		WEIGHT				CONDUIT IN AIR (1)		UNDERGROUND DUCT (2)		TRAY (3)		
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C	105°C	90°C	105°C	90°C	105°C	
35 kV, UL TYPE MV-105, 133% INS. LEVEL, 420 MILS																			
17071.135105*	1/0	0.34	1.060	1.265	0.080	2.03	1.47	37.34	1253	1864	437	650	195	215	200	215	195	220	5
17071.135205*	2/0	0.38	1.200	1.305	0.080	2.03	1.49	37.85	1378	2050	525	781	225	255	230	245	225	250	5
17071.135305*	3/0	0.43	1.245	1.355	0.080	2.03	1.53	38.86	1532	2280	636	946	260	290	260	275	260	285	5
17071.135405	4/0	0.48	1.300	1.405	0.080	2.03	1.59	40.39	1716	2553	776	1155	295	330	295	315	295	335	5
17071.136005*	250	0.53	1.350	1.460	0.080	2.03	1.64	41.66	1888	2809	899	1338	330	365	325	345	330	370	6
17071.136205	350	0.62	1.450	1.555	0.110	2.79	1.79	45.47	2396	3565	1217	1811	395	440	390	415	410	455	6
17071.136505	500	0.74	1.570	1.675	0.110	2.79	1.91	48.50	2986	4443	1690	2515	480	535	465	500	510	565	6
17071.137005	750	0.91	1.750	1.860	0.110	2.79	2.09	53.09	3954	5884	2477	3685	585	655	565	610	655	730	8
17071.137505*	1000	1.06	1.900	2.010	0.110	2.79	2.25	57.15	4885	7269	3263	4855	675	755	640	690	780	870	8

Dimensions and weights are nominal. Subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Ampacities are in accordance with Table 310.60(C)(73) of the NEC for triplexed or three single conductor copper cables in isolated conduit in air based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient air temperature of 40°C (104°F).

(2) Ampacities are in accordance with Table 310.60(C)(77) of the NEC for triplexed or three single conductor copper cables in underground ducts (three conductors per duct), based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient earth temperature of 20°C (68°F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.

(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40°C (104°F) the ampacities are based on 75% of the values per Table 310.60(C)(69), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(69).

(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.

Note: a) All sizes are "FOR CT USE".
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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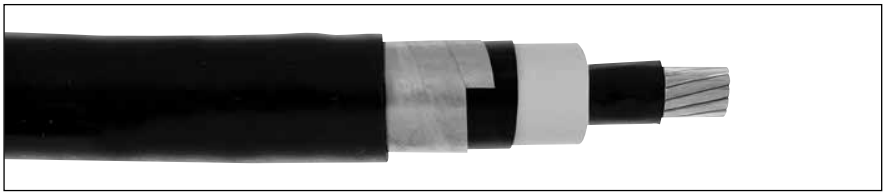
Aluminum Uniblend® PVC High Speed

EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded 35 kV, UL Type MV-105, 133% Ins. Levels, 420 Mils



Product Construction:

Conductor:
- 1/0 AWG thru 1000 kcmil 1350 aluminum compact Class B strand

Extruded Strand Shield (ESS):
- Extruded thermoset semi-conducting stress-control layer over conductor

Insulation:
- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):
- Thermoset semi-conducting polymeric layer free stripping from insulation

Metallic Shield:
- 5 mil annealed copper tape with an overlap of 25%

Jacket:
- Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Options:
- STRANDFILL® - blocked conductor. Tested in accordance with ICEA T-31-610

Applications:
- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

Features:
- Rated at 105°C
- High Speed low friction technology for easy cable pulling
- Excellent heat, moisture and sunlight resistance
- Excellent flame resistance
- Outstanding corona resistance

Features (cont'd.):
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions

Compliances:
- National Electrical Code (NEC)
- UL 1072
- ICEA S-93-639/NEMA WC74
- ICEA S-97-682
- AEIC CS8
- UL listed as Type MV-105 for use in accordance with NEC, UL File # E90501
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	NOMINAL CONDUCTOR DIAMETER	INSULATION DIAMETER INCHES		NOMINAL JACKET THICKNESS		NOMINAL CABLE				ALUMINUM WEIGHT		COPPER WEIGHT		AMPACITY						CONDUIT SIZING (4) (INCHES)
							DIAMETER		WEIGHT						CONDUIT IN AIR (1)		UNDERGROUND DUCT (2)		TRAY (3)		
		INCHES	MIN.	MAX.	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C	105°C	90°C	105°C	90°C	105°C	
35 kV, UL TYPE MV-105, 133% INS. LEVEL, 420 MILS																					
17071.135108*	1/0	0.34	1.060	1.265	0.080	2.03	1.47	37.34	1026	1527	99	147	111	165	150	170	155	165	150	170	5
17071.135208*	2/0	0.38	1.200	1.305	0.080	2.03	1.49	37.85	1092	1625	125	186	114	170	175	200	175	190	175	195	5
17071.135308*	3/0	0.43	1.245	1.355	0.080	2.03	1.53	38.86	1172	1744	158	235	118	175	200	225	200	215	205	225	5
17071.135408*	4/0	0.48	1.300	1.405	0.080	2.03	1.59	40.39	1262	1878	199	296	123	183	230	260	230	245	235	260	6
17071.136008*	250	0.53	1.350	1.460	0.080	2.03	1.64	41.66	1350	2009	234	348	127	189	255	290	250	270	260	285	6
17071.136208*	350	0.62	1.450	1.555	0.110	2.79	1.79	45.47	1644	2447	329	490	136	202	310	350	305	330	325	355	6
17071.136508*	500	0.74	1.570	1.675	0.110	2.79	1.91	48.50	1910	2842	468	696	146	217	385	430	370	400	400	445	6
17071.137008*	750	0.91	1.750	1.860	0.110	2.79	2.09	53.09	2341	3484	703	1046	161	240	485	540	455	490	515	575	8
17071.137508*	1000	1.06	1.900	2.010	0.110	2.79	2.25	57.15	2734	4069	937	1394	175	260	565	640	525	565	620	690	8

Dimensions and weights are nominal. Subject to industry tolerances.
* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.
(1) Ampacities are in accordance with Table 310.60(C)(74) of the NEC for triplexed or three single conductor aluminum cables in isolated conduit in air based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient air temperature of 40°C (104°F).
(2) Ampacities are in accordance with Table 310.60(C)(78) of the NEC for triplexed or three single conductor aluminum cables in underground ducts (three conductors per duct), based on a conductor temperature of 90°C (194°F) or 105°C (221°F), temperature denoted in column header, and an ambient earth temperature of 20°C (68°F), electrical duct arrangement per Figure 310.60 Detail 1, 100% load factor, and earth thermal resistance (rho) of 90.
(3) Ampacities are based on single conductor Type MV-105 sizes #1/0 AWG and larger in an uncovered tray in accordance with Section 392.80(B)(2) of the NEC at an ambient air temperature of 40°C (104°F) the ampacities are based on 75% of the values per Table 310.60(C)(70), operating temperature denoted in column header. For cable trays with unventilated covers for more than 6 feet, the ampacities shall not exceed 70% of the values per Table 310.60(C)(70).
(4) Based on nominal cable diameters, three single cables in the duct (PVC Schedule 40) with no ground wire and a maximum of 40% fill. Jam ratio has been considered but should be checked for individual installations.
Note: a) All sizes are "FOR CT USE".
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