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GARDEX

UL Listed

NEC Type MC

NFPA 130 & 502

Low Smoke Zero Halogen

90°C*

600/1000 volt

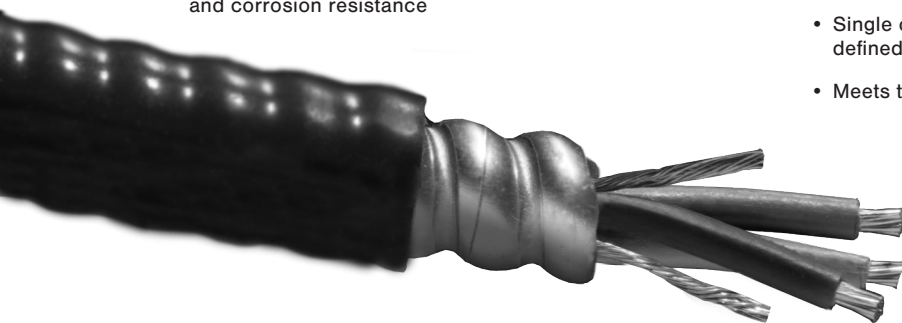
Gardex is a UL Listed, low smoke zero halogen, armoured power cable that provides outstanding performance in the most rugged of environments. It's a multicore, self-contained conduit and wiring system that is simplicity itself to install and connect. The continuously welded and corrugated aluminium sheath provides excellent protection against mechanical and physical abuse, and the hermetically sealed barrier is impervious to water, gas and corrosive elements, giving it outstanding reliability. Gardex cables can be installed on trays, in ducting and conduit, or can be self-supported or buried directly into the ground.

FEATURES

- RoHS compliant insulation and jacket
- Welded armour forms an impervious barrier and is impact and crush resistant
- Aluminum armour meets UL requirements as equipment grounding conductor
- Self contained conduit wiring system
- Thermoset insulation for enhanced thermal stability
- Superior insulation and jacket moisture resistance
- Superior flame retardance
- Tin-coated copper conductors for improved terminations and corrosion resistance

PERFORMANCE STANDARDS

- Insulation in accordance with ICEA and UL standards
- Insulated conductors are UL Listed Type XHHW-2
- UL listed Type LS (limited smoke) per UL 1277 and UL 1685
- UL approved 90°C for both wet and dry locations
- UL listed for sunlight resistance
- UL listed as gasoline and oil resistance
- Jacket exceeds requirements for UL class XL/90°C and ICEA publication T-33-655, Type II
- Passes IEEE 1202/FT4 vertical tray flame test and ICEA 70,000 BTU/hr vertical tray flame test (T-30-520)
- Single conductors pass vertical flame test Type A as defined in ICEA S-95-658 (6.8.2)
- Meets the requirements of NFPA 130 & 502



CONSTRUCTION

Conductor: Annealed, tin-coated copper, class 'B' strand (ASTM B-8 and B-33)

Insulation: Flame retardant low smoke zero halogen crosslinked polyolefin

Circuit Identification: Printed numbers per ICEA Method 4. Alternative colours available upon request

Fillers: Where required

*Rated 90°C for normal operation, 130°C for emergency overload conditions and 250°C for short circuit conditions.

GOLDWING

GARDEX® LSZH - ARMoured POWER CABLE

THREE CONDUCTOR GARDEX® LSZH POWER CABLES WITH THREE GROUND WIRES SUITABLE FOR IGBT DRIVE APPLICATIONS

Product Code	Size (AWG/kcmil)	Number of Conductors	Insulation Thickness (Inch) (mm)	Ground Wires Qty-Size	Core Diameter (Inch)	Armour Thickness (Mils)	Armour Overall Diameter (Inch)	Jacket Thickness (Mils)	Nominal Overall Diameter (Inch) (mm)	Approximate Net Weight (Lbs/M')
AG03014-500	14	3	.030 .76	3-18	.29	25	.48	50	.58 14.7	170
AG03012-500	12	3	.030 .76	3-16	.33	25	.54	50	.64 16.3	220
AG03010-500	10	3	.030 .76	3-14	.38	25	.58	50	.68 17.3	280
AG03008-500	8	3	.045 1.14	3-14	.52	25	.74	50	.84 21.3	398
AG03006-500	6	3	.045 1.14	3-12	.60	25	.84	50	.95 24.1	549
AG03004-500	4	3	.045 1.14	3-12	.70	25	.97	50	1.07 27.2	732
AG03002-500	2	3	.045 1.14	3-10	.83	25	1.13	50	1.23 31.2	1052
AG031X0-500	1/0	3	.055 1.40	3-10	1.04	25	1.33	50	1.44 36.6	1512
AG032X0-500	2/0	3	.055 1.40	3-10	1.14	25	1.46	50	1.57 39.9	1813
AG033X0-500	3/0	3	.055 1.40	3-8	1.25	25	1.56	60	1.69 42.9	2280
AG034X0-500	4/0	3	.055 1.40	3-8	1.37	25	1.71	60	1.84 46.7	2743
AG03250-500	250	3	.065 1.65	3-8	1.53	32	1.87	60	2.00 50.8	3258
AG03350-500	350	3	.065 1.65	3-6	1.75	32	2.25	60	2.37 57.2	4424
AG03500-500	500	3	.065 1.65	3-6	2.03	32	2.47	75	2.63 66.8	6056
AG03750-500	750	3	.080 2.03	3-4	2.48	32	3.03	85	3.21 81.5	8873

FOUR CONDUCTOR GARDEX® LSZH POWER CABLES

Product Code	Size (AWG/kcmil)	Number of Conductors	Insulation Thickness (Inch) (mm)	Ground Wires Qty-Size	Core Diameter (Inch)	Armour Thickness (Mils)	Armour Overall Diameter (Inch)	Jacket Thickness (Mils)	Nominal Overall Diameter (Inch) (mm)	Approximate Net Weight (Lbs/M')
AG04014-500	14	4	.030 .76	2-16	.33	25	.54	50	.64 16.3	199
AG04012-500	12	4	.030 .76	3-16	.37	25	.58	50	.68 17.3	256
AG04010-500	10	4	.030 .76	3-14	.43	25	.62	50	.72 18.3	330
AG04008-500	8	4	.045 1.14	2-12	.58	25	.84	50	.95 24.1	488
AG04006-500	6	4	.045 1.14	2-10	.67	25	.92	50	1.02 25.9	667
AG04004-500	4	4	.045 1.14	2-10	.78	25	1.07	50	1.17 29.7	912
AG04002-500	2	4	.045 1.14	2-8	.93	25	1.19	50	1.29 32.8	1309
AG041X0-500	1/0	4	.055 1.40	1-6	1.17	25	1.46	50	1.57 39.9	1902
AG042X0-500	2/0	4	.055 1.40	1-6	1.28	25	1.64	60	1.77 45.0	2340
AG043X0-500	3/0	4	.055 1.40	1-4	1.40	32	1.80	60	1.92 48.8	2966
AG044X0-500	4/0	4	.055 1.40	1-4	1.55	32	1.94	60	2.06 52.3	3558
AG04250-500	250	4	.065 1.65	1-4	1.72	32	2.12	60	2.25 57.2	4153
AG04350-500	350	4	.065 1.65	1-3	1.96	32	2.41	75	2.56 66.8	5657
AG04500-500	500	4	.065 1.65	1-2	2.27	32	2.71	75	2.87 72.9	7780