

INDUSTRIAL CABLES

SPEC 10350



AIRGUARD® Power

XLPE/Polymeric Armor/PVC, Low-Voltage Power
UL Type TC-ER-HL 600V or UL Type TC-ER 1000V



Product Construction:

Conductor:

- 14 AWG thru 1/0 AWG annealed bare copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Cross-linked Polyethylene (XLPE)
- Color-coded per ICEA Method 1, Table E-2 (does not include white or green)

Polymeric Armor:

- High strength and high crush resistant Air Bag™ layer extruded over the core assembly

Jacket:

- Lead-free, flame-retardant, sunlight-resistant Polyvinyl Chloride (PVC)

Applications:

- For use in Class I, II and III, Divisions 1 and 2; and Class I, Zones 1 and 2 hazardous locations per NEC Articles 501, 502, 503 and 505
- For use as services, feeders and branch circuits for power, lighting, control, and signal circuits in accordance with NEC Articles 330 and 725
- Installed indoors or outdoors, wet or dry locations, directly buried, embedded in concrete, in a raceway, as aerial cable on a messenger, in cable trays, or as exposed runs secured to supports in accordance with NEC Article 330

Features:

- Rated at 90 °C wet or dry
- Ripcord applied to all cables with jacket of 60 mils or less
- Meets cold bend test at -40 °C
- Type TC-ER-HL versions exceeds crush and impact requirements of Type MC-HL cables.
- Sunlight- and weather-resistant
- Excellent flame resistance
- Excellent physical, thermal and electrical properties
- Excellent moisture resistance
- Good resistance to abrasion and heat deformation
- Provides excellent oil and chemical resistance

Compliances:

Industry Compliances:

- NEC Type XHHW-2 conductors
- UL 1277 Type TC-ER-HL, UL File #E60544/E83287
- ICEA S-95-658/NEMA WC70

Flame Test Compliances:

- UL 1685 Vertical Flame Test
- IEEE 1202
- CSA FT4
- XHHW-2 inners VW-1

Other Compliances:

- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable
- RoHS Compliant

Packaging:

- Material cut to length and shipped on nonreturnable wood reels

Product Number	Number & Circuit Conductor Size (AWG)	Insulation Thickness (Mils)	Number & Ground Conductor Size (AWG)	Jacket Thickness (Mils)	Nominal Overall Cable O.D. (In)	Nominal Cable Weight O.D. (Lbs/Kft)	‡ Ampacity (Amps)
----------------	---------------------------------------	-----------------------------	--------------------------------------	-------------------------	---------------------------------	-------------------------------------	-------------------

Power – Low Voltage – 3/C & 4/C – 600 V/1000 V

10350.01403318	3/C #14	30	3 - #18	60	0.63	230	25
10350.01404114	4/C #14	30	1 - #14	60	0.69	263	20
10350.01203316	3/C #12	30	3 - #16	60	0.67	281	30
10350.01204112	4/C #12	30	1 - #12	60	0.73	320	24
10350.01003314	3/C #10	30	3 - #14	60	0.72	355	40
10350.01004110	4/C #10	30	1 - #10	60	0.79	408	32
10350.00803314	3/C #8	30	3 - #14	80	0.89	521	55
10350.00804110	4/C #8	45	1 - #10	60	0.97	603	44
10350.00603312	3/C #6	45	3 - #12	80	0.96	675	75
10350.00604108*	4/C #6	45	1 - #8	80	1.06	782	60
10350.00403312*	3/C #4	45	3 - #12	80	1.09	923	95
10350.00203310*	3/C #2	45	3 - #10	80	1.22	1264	130
10350.00204106*	4/C #2	45	1 - #6	80	1.31	1442	104
10350.11003310*	3/C #1/0	55	3 - #10	80	1.42	1836	170

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

* Cables indicated with "*" are not marked "-HL" (per UL 2225, cables with an overall OD of 1 inch or greater need to be shielded to be marked "-HL")

‡ Per 2017 NEC Table 310.16 "Allowable Ampacities of Insulated Conductors Rated up to and including 2000 Volts, 60°C through 90°C (140°F through 194°F), Not More Than Three Current-Carrying Conductors"