

AIRGUARD®

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

Product Construction:

Conductor:

- 14 AWG thru 10 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:

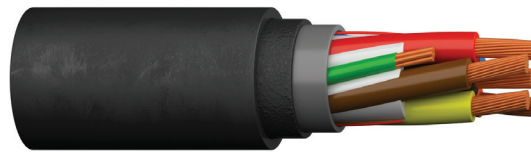
- High strength and high crush resistant Air Bag™ layer extruded over the core assembly

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 meets 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-73-532/NEMA WC57

Flame Test Compliances:

- UL 1685 Vertical Flame Test
- IEEE 1202
- CSA FT4

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 non-returnable wood reels

PRODUCT NUMBER	NUMBER AND CIRCUIT CONDUCTOR SIZE (AWG)	GREEN GROUND CONDUCTOR SIZE (AWG)	INSULATION THICKNESS (mils)	JACKET THICKNESS (mils)	NOMINAL OVERALL CABLE O.D. (in)	NOMINAL CABLE WEIGHT O.D. (lbs/kft)
Control – Low Voltage 600 V/1000 V						
10300.01402114	2/C #14 + Grd	#14	30	60	0.63	213
10300.01404114	4/C #14 + Grd	#14	30	60	0.73	283
10300.01204112	4/C #12 + Grd	#12	30	60	0.77	344
10300.01004110	4/C #10 + Grd	#10	30	60	0.78	429
10300.01406114	6/C #14 + Grd	#14	30	60	0.77	331
10300.01206112	6/C #12 + Grd	#12	30	60	0.82	410
10300.01006110	6/C #10 + Grd	#10	30	80	0.93	559
10300.01407114	7/C #14 + Grd	#14	30	60	0.81	368
10300.01007110	7/C #10 + Grd	#10	30	80	0.99	627
10300.01408114	8/C #14 + Grd	#14	30	80	0.89	432
10300.01208112	8/C #12 + Grd	#12	30	80	0.96	536
10300.01009110*	9/C #10 + Grd	#10	30	80	1.05	753
10300.01411114	11/C #14 + Grd	#14	30	80	0.96	511
10300.01212112*	12/C #12 + Grd	#12	30	80	1.04	694
10300.01419114*	19/C #14 + Grd	#14	30	80	1.07	715
10300.01219112*	19/C #12 + Grd	#12	30	80	1.16	928

The above dimensions are approximate and subject to normal manufacturing tolerances.
* Materials have 1 bare equipment ground and an overall shield.