

AIRGUARD®VFD

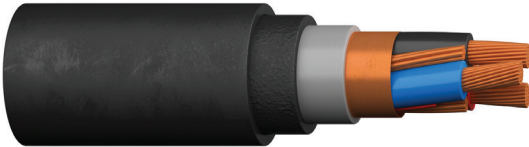
XLPE/Polymeric Armor/PVC, Low-Voltage Power
UL Type TC-ER-HL 600V or 1000

Product Construction:

- Conductor:
- 14 AWG thru 500 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-95-658/NEMA WC70

- 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)	INSULATION THICKNESS (mils)	NUMBER & GROUND CONDUCTOR SIZE (AWG)	JACKET THICKNESS (mils)	NOMINAL OVERALL CABLE O.D. (in)	NOMINAL CABLE WEIGHT (lbs/kft)	*AMPACITY (AMPS)
VFD – Low Voltage – 3/C – 600 V/1000 V							
10400.01403318	3/C #14	30	3 - #18	60	0.63	247	25
10400.01203316	3/C #12	30	3 - #16	60	0.67	297	30
10400.01003314	3/C #10	30	3 - #14	60	0.73	374	40
10400.00803314	3/C #8	45	3 - #14	80	0.89	542	55
10400.00603312	3/C #6	45	3 - #12	80	0.97	701	75
10400.00403312	3/C #4	45	3 - #12	80	1.09	960	95
10400.00203310	3/C #2	45	3 - #10	80	1.23	1309	130
10400.11003310	3/C #1/0	55	3 - #10	80	1.41	1872	170
10400.21003310	3/C #2/0	55	3 - #10	80	1.51	2273	195
10400.31003308	3/C #3/0	55	3 - #8	80	1.62	2766	225
10400.41003308	3/C #4/0	55	3 - #8	80	1.80	3398	260
10400.25003308	3/C 250	65	3 - #8	110	2.02	3903	290
10400.35003307	3/C 350	65	3 - #7	110	2.24	5220	350
10400.50003306	3/C 500	65	3 - #6	110	2.51	6940	430

‡ Per 2023 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" The above dimensions are approximate and subject to normal manufacturing tolerances.