

LOW VOLTAGE AIRGUARD - POWER

Part Number	Circuit Conductor		Insulation Thickness mils	Ground Conductor(s)		Jacket Thickness mils	Nominal Overall Cable O.D. inches	Nominal Cable Weight lbs/Mft	Minimum Bending Radius inches	Ampacity amps	Gland Explosion Proof C1D1
	No.	AWG/kcmil		No.	AWG						
14-03AIRGUARD	3C	14	30	3	18	60	0.620	227	2.5	25	PWC-424BT03
14-04AIRGUARD	4C	14	30	1	14	60	0.660	250	2.7	20	PWC-424BT03
12-03AIRGUARD	3C	12	30	3	16	60	0.660	275	2.7	30	PWC-424BT03
12-04AIRGUARD	4C	12	30	1	12	60	0.705	304	2.9	24	PWC-424BT03
10-03AIRGUARD	3C	10	30	3	14	60	0.715	344	2.9	40	PWC-424BT03
10-04AIRGUARD	4C	10	30	1	10	60	0.765	390	3.1	32	PWC-424BT04
8-03AIRGUARD	3C	8	45	3	14	60	0.860	485	3.5	55	PWC-424BT04
8-04AIRGUARD	4C	8	45	1	10	80	0.960	610	3.9	44	-
6-03AIRGUARD	3C	6	45	3	12	80	0.980	655	4.0	75	PWC-424BT04
*6-04AIRGUARD	4C	6	45	1	8	80	1.060	790	5.3	60	-
*4-03AIRGUARD	3C	4	45	3	12	80	1.090	900	5.5	95	PWC-424BT15
*2-03AIRGUARD	3C	2	45	3	10	80	1.215	1270	6.1	130	PWC-424BT15
*2-04AIRGUARD	4C	2	45	1	6	80	1.320	1470	6.6	104	-
*1/0-03AIRGUARD	3C	1/0	55	3	10	80	1.440	1870	7.2	170	PWC-424BT06

Product Notes:

† Conductor count includes insulated grounding conductor colored green.

‡ Per 2014 NEC TABLE 310.15(B)(16) (formerly 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"

*Cables not marked "-HL" (per UL 2225, overall cable diameter must be 1.00 inch or less to be marked "-HL")

**All values are nominal and subject to change at anytime without notice

Prysmian's Low Voltage AIRGUARD™ Power Cables are primarily designed for applications in the harsh environments found in the heavy industrial and offshore markets. Its rugged polymeric AIRBAG™ armor and chemical barrier protection package makes it the ideal cable choice for tough harsh environmental conditions. AIRGUARD™ provides the solution to the deficiencies often encountered with MC-HL cables including armor breakage encountered during installation and in applications requiring recurring bending after installation, as well as poor performance in areas of high vibration (e.g. motor connections). It also provides a safer and lower installed cost cost alternative to MC-HL cables due to faster, "No Knife/ No Saw" cable preparation and substantially reduced cost of cable glands.

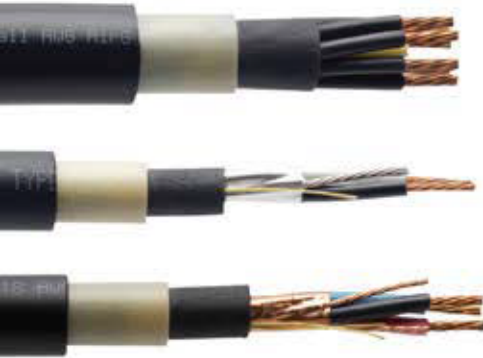
Low Voltage AIRGUARD™ is rated for installations in cable tray for exposed runs (Type TC-ER), conduit, and direct burial. It exceeds the stringent crush and impact resistance of UL 2225 for MC-HL cables and is permitted for use in Class I Division 1 and Zone 1 hazardous locations (TC-ER-HL) in accordance with National Electrical Code (2014) Sections 501.10(A)(2)(3) and 505.15(B)(i). Prysmian's patented AIRGUARD™ design affords far greater protection against water ingress and chemical attack than traditional MC Armored Cables. It also provides users the ease of installation of a tray cable while providing better mechanical and environmental protection than traditional metal clad cables

SPECIFICATIONS

ASTM B3 & ASTM B8
ICEA S-82-558 (NEMA WC70)
UL 44 (XHHW-2) 600V
UL 1202/FT-4
UL 1277
NEC Article 336.10(7)
UL 2225
NEC Article 501.10(A)(2)(3)
NEC Article 505.15(B)(1)(i)
CSA 22.2 No. 03
MSHA

Class B Soft Drawn Concentric Lay Stranded Bare Copper Conductors
Cable Rating
XHHW-2 Multiple Conductors - Direct Buried - Sunlight Resistant - Oil Resistant
Flame Retardant
TC-ER Exposed Run Rating

TC-ER- HL
TC-ER- HL Class I Division 1
TC-ER-HL Class I Zone 1
-40C/ -35C Cold Bend/Cold Impact
Mine Safety & Health Administration



LOW VOLTAGE AIRGUARD - VFD

Part Number	Circuit Conductor		Insulation Thickness mils	Ground Conductor(s)		Jacket Thickness mils	Nominal Overall Cable O.D. inches	Nominal Cable Weight lbs/Mft	Minimum Bending Radius inches	Ampacity amps	Gland Explosion Proof C1D1
	No.	AWG/kcmil		No.	AWG						
14-03AIRGUARD-OS	3C	14	30	3	18	80	0.630	250	7.5	25	PWC-424BT03
12-03AIRGUARD-OS	3C	12	30	3	16	80	0.670	300	8.1	30	PWC-424BT03
10-03AIRGUARD-OS	3C	10	30	3	14	80	0.725	370	8.7	40	PWC-424BT03
8-03AIRGUARD-OS	3C	8	45	3	14	80	0.905	550	10.9	55	PWC-424BT04
6-03AIRGUARD-OS	3C	6	45	3	12	80	0.990	700	11.9	75	PWC-424BT04
4-03AIRGUARD-OS	3C	4	45	3	12	80	1.100	900	13.2	95	PWC-424BT15
2-03AIRGUARD-OS	3C	2	45	3	10	80	1.225	1240	14.7	130	PWC-424BT15
1/0-03AIRGUARD-OS	3C	1/0	55	3	10	80	1.450	1720	17.4	170	PWC-424BT06
2/0-03AIRGUARD-OS	3C	2/0	55	3	10	80	1.530	2170	11.0	195	PWC-424BT06
3/0-03AIRGUARD-OS	3C	3/0	55	3	8	80	1.640	2644	12.0	225	-
4/0-03AIRGUARD-OS	3C	4/0	55	3	8	80	1.780	3193	13.0	260	PWC-424BT07
250-03AIRGUARD-OS	3C	250	65	3	8	110	1.990	3846	14.0	290	PWC-424BT07
350-03AIRGUARD-OS	3C	350	65	3	7	110	2.210	5070	16.0	350	PWC-424BT08
500-03AIRGUARD-OS	3C	500	65	3	6	110	2.490	6863	18.0	430	PWC-424BT09
750-03AIRGUARD-OS	3C	750	80	3	5	110	3.020	10518	22.0	535	-

Product Notes:

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Low Voltage AIRGUARD VFD cables are designed with three symmetrically placed ground wires and an aluminum or copper sheath to contain the generation high frequency electromagnetic interference (EMI) imposed on the cable when installed in a circuit containing a Variable Frequency Drive. In the event of catastrophic cable damage, this shield, plus the 3 segmented ground wires, should contain any arcing and effectively conduct system fault current to ground.

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Class B Soft Drawn Concentric Lay Stranded Bare Copper Conductors
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Flame Retardant
TC-ER Exposed Run Rating

TC-ER- HL
TC-ER- HL Class I Division 1
TC-ER- HL Class I Zone 1
-40C/ -35C Cold Bend/Cold Impact
Mine Safety & Health Administration

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