

600 Volt 2/c AIRGUARD™

Low Voltage Commercial & Industrial Cables



Description

Two conductor cable with stranded copper or aluminum conductors, extruded insulation system consisting of high dielectric strength crosslinked polyethylene, extruded fillers, grounding conductor(s), foamed polymeric layer for superior mechanical protection, longitudinally applied aluminum tape and extruded polymeric layer for resistance against oils and hydrocarbons, overall moisture and sun resistant black PVC jacket. Suitable for Class I Division 2 locations.

Specifications

UL- UL 44

NEMA - WC70
ICEA- S-95-658

For 90°C continuous use in wet or dry conditions.

Options

- Colored jackets
- Low Smoke Halogen Free Jacket
- Compressed Conductors
- 2 kV Rating
- UL 1277 Type TC
- ER 'Exposed Run' Rated

Ratings

Sunlight Resistant
 ER "Exposed Run" Rated
 Single Conductor Rated XHHW-2
 CSA FT4 Flame Test
 CSA Cold Bend (-40°)
 IEEE 383 Flame Test

Direct Buried

Design Parameters

CONDUCTOR: Class B compact strand soft drawn annealed copper or aluminum Series 8000 per ASTM.

INSULATION: High dielectric strength crosslinked polyethylene insulation to ICEA S-95-658/NEMA WC70 and UL Standard 44 for type XHHW-2.

GROUNDING CONDUCTORS: Bare stranded copper conductor per UL, ICEA, and ASTM.

ASSEMBLY: Phase identified conductors with extruded fillers and grounding conductors, forming a firm and cylindrical cable core.

MECHANICAL PROTECTION: High strength and high crush resistant 2500psi Air Bag™ layer extruded over the core assembly.

CHEMICAL PROTECTION: Drylam™ layer consisting of a laminated aluminum tape and an extruded polymeric layer which provides a moisture barrier and chemical resistance.

JACKET: Sunlight and moisture resistant polyvinyl chloride (PVC) jacket.

Installation



In Cable Tray



Direct Buried



Isolated in Air



Dry Locations



With Messenger



Conduit in Air



Underground Duct



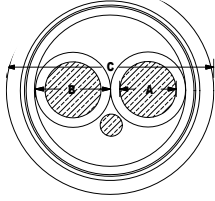
Wet Locations



Industrial

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Product Number	Conductor	Insulation Thickness (mils)	Ground Wires		Conductor Diameter (in)		Insulation Diameter (in)	Overall Jacket Diameter (in)	Cable Weight (lbs/100ft)	Minimum Bending Radius (in)	† Ampacity (Amps)
			No.	Size	(A)	(B)					
600 Volt AIRGUARD Two Conductor Copper											
QXU090A	1/0 AWG CU	55	1	6 AWG	0.341	0.46	1.36	1519	10	170	
QXJ270A	2/0 AWG CU	55	1	6 AWG	0.376	0.49	1.44	1772	10	195	
QXU072A	4/0 AWG CU	55	1	4 AWG	0.479	0.60	1.65	2542	12	260	
QXZ863A	250 MCM CU	65	1	4 AWG	0.522	0.66	1.87	3108	13	290	
QXJ271A	350 MSM CU	65	1	3AWG	0.622	0.76	2.08	4065	15	350	
QXJ289A	500 MCM CU	65	1	2 AWG	0.742	0.88	2.34	5430	17	430	

PRODUCT NOTES:

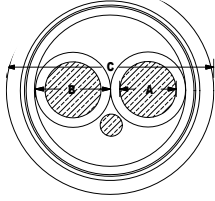
The above dimensions are approximate and subject to normal manufacturing tolerances.

†Ampacities are based on the following:

‡Not more than three current carrying conductors in Raceway, Cable, or Earth (direct buried), based on ambient temperature of 30°C (86°F). Per 2011 NEC Table 310.15(B)(16).

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				No.	Size	(A)					
600 Volt AIRGUARD Two Conductor Aluminum											
QXJ255A	1 AWG AL	55	1	6 AWG	0.299	0.42	1.27	942	9	115	
QXJ254A	1/0 AWG AL	55	1	6 AWG	0.366	0.45	1.35	1066	10	135	
QXJ256A	2/0 AWG AL	55	1	6 AWG	0.379	0.50	1.44	1214	10	150	
QXJ257A	3/0 AWG AL	55	1	6 AWG	0.423	0.54	1.53	1395	11	175	
QXJ258A	4/0 AWG AL	55	1	4 AWG	0.479	0.60	1.65	1653	12	205	
QXJ259A	250 MCM AL	65	1	4 AWG	0.520	0.66	1.87	2053	13	230	
QXZ980A	300 MCM AL	65	1	4 AWG	0.570	0.71	1.97	2306	14	255	
QXJ290A	350 MCM AL	65	1	4 AWG	0.622	0.76	2.08	2556	15	260	
QXJ261A	400 MCM AL	65	1	3 AWG	0.659	0.80	2.16	2616	16	305	
QXJ262A	500 MCM AL	65	1	3 AWG	0.742	0.88	2.34	3290	17	350	

PRODUCT NOTES:

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