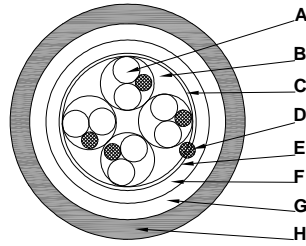


Prysmian Low Voltage AIRGUARD® 600 Volt Instrumentation Cable



Components

- A: Class B stranded, soft drawn, bare copper circuit conductors insulated with heat and moisture resistant, thermosetting cross-linked polyethylene (XLPE). The insulated conductors are twisted together into pairs or triads along with a #20 AWG stranded tinned copper drain wire. Each pair or triad shall be wrapped with an Aluminum/Mylar tape shield. Each shielded pair or triad shall be wrapped with a Mylar isolation tape.
- B: Flame resistant non-hygroscopic fillers (as needed).
- C: Mylar binder tape.
- D: Class B stranded, soft drawn, tinned copper drain wire.
- E: Aluminum/Mylar tape shield.
- F: Impact resistant extruded filler. Two ripcords placed under this layer (180° apart).
- G: Crush, impact and chemical resistant polymeric armor layer.
- H: Heat, moisture and sunlight resistant, thermoplastic jacket.

Print Legend

(0.999 in. or smaller OD)

PRYSMIAN PA AIRGUARD® "number & size of conductor AWG (mm²)" XLPE 90C WET OR DRY TYPE TC-ER-HL (-40C) 600V FT4 (UL) E60544 OIL RES I/II SUN RES "sequential footage print"

Print Legend

(1.000 in. or larger OD)

PRYSMIAN PA AIRGUARD® "number & size of conductor AWG (mm²)" XLPE 90C WET OR DRY TYPE TC-ER (-40C) 600V FT4 (UL) E60544 OIL RES I/II SUN RES "sequential footage print"

Physical Characteristics

Conductor Color Code: (Pairs)

Black, White. Number printed - Pair 1: (1-ONE), Pair 2: (2-TWO),
Pair 3: (3-THREE), etc.

(Triads)

Black, White, Red. Number printed - Triad 1: (1-ONE), Triad 2: (2-TWO),
Triad 3: (3-THREE), etc.

Jacket Color:

Black

Rev	DATE	CHANGE DETAIL				Draka Cableteq USA One Tamaqua Blvd Schuylkill Haven PA 17972 Phone: 570-385-4381 Fax: 570-385-1092				
	0	09/24/14	New Issue							
	1									
	2									
3					Project Name: Prysmian Low Voltage Airguard®					
Approvals:		Engineering:	Prepared by: RLB	Final:						
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								Quote Number:	NA	
					File Number:	AIRGUARD xlp Instr2				
					Page Number:	Page 1 of 2				

Specifications

ASTM B 3, ASTM B 8, ASTM B 33

ICEA S-73-532 (NEMA WC 57), UL 44, UL 1277, UL 2225, National Electrical Code (NEC), NFPA 70

Ratings

UL Type TC-ER-HL 600V (per UL 2225, overall cable diameter must be 1.00 inch or less to be marked "-HL")

- Per Article 501 and Article 505 of the National Electrical Code

Class I, Zone 1 hazardous (classified) locations per Article 501 of the National Electrical Code, NFPA 70

IEEE 1202/FT4

-40C



Sunlight Resistant

Oil Resistant

The insulation is acceptable for use in wet or dry locations at 90 °C.

The cable is suitable for use in cable trays, aerial or direct burial installations.

Number & Circuit Conductor Size (AWG)		Average Insulation Thickness (mils)	Drain Wire (AWG)		Average Overall Jacket Thickness (mils)	Nominal Cable O.D. (in.)	Nominal Cable Weight (lbs/Mft)	Prysmian Part Number
size	strand		size	strand				
1/PAIR #16 AWG	7	30	#16	7	60	0.575	170	394001
1/TRIAD #16 AWG	7	30	#16	7	60	0.595	193	394002
2/PAIR #16 AWG	7	30	#16	7	60	0.770	304	394029
4/PAIR #16 AWG	7	30	#16	7	60	0.850	404	394030
*4/TRIAD #16 AWG	7	30	#16	7	60	1.050	528	394031
*8/PAIR #16 AWG	7	30	#16	7	80	1.090	652	394032
*12/PAIR #16 AWG	7	30	#16	7	80	1.275	887	394033
*12/TRIAD #16 AWG	7	30	#16	7	80	1.545	1104	394034
*24/PAIR #16 AWG	7	30	#16	7	80	1.685	1487	394035
*36/PAIR #16 AWG	7	30	#16	7	110	1.970	2171	394036

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					Page Number:	Page 2 of 2	