



Deca Cables Inc.
 150 North Murray Street
 P.O. Box 777
 Trenton, Ontario K8V 5W6
 Canada

Website: www.decacables.com
 Telephone: (613) 392-3585
 Facsimile: (613) 392-7908
 Email: sales@decacables.com

ISO 9001:2008

PRODUCT DATA SHEET

Part No: 91-1644

CONSTRUCTION SPECIFICATIONS

Description	ACIC 4 Pair 16 AWG Individual Shield, Overall Shield, AIA 300V
Conductor	16 AWG 7 Strand Tinned Copper - Concentric
Conductor Diameter	0.058" / 1.47 mm
Insulation Type	Cross Linked Polyethylene (XLPE)
Insulation Thickness	0.025" / 0.64 mm
Pair Identification	Black & White Number Coded
Shielding Tape	Aluminum/Mylar
Drain Wires	20 AWG 7 Strand Tinned Copper - Concentric
Cable Assembly	Conductors are paired, individually shielded with a drain and cabled together with an overall aluminum/mylar wrap and drain.
Ripcord	Polyester Ripcord included under the inner jacket
Inner Jacket	0.060" / 1.52 mm (min. avg) Flame Retardant Low Acid Gas PVC
Armour	Interlocked Aluminum Armour
Outer Jacket	0.049" / 1.24 mm (min. avg) Flame Retardant Low Acid Gas PVC
Overall Cable Diameter	0.912" / 23.16 mm
Jacket Print	DECA ACIC 4PR 16 AWG SHIELDED XLPE 300V (-40C) 105C DRY 90C WET HLABCD SUN RES CSA FT4 LL83251 ---- ROHS LAG work order #, month, year, meter markings (every 1 metre)

ELECTRICALS

Voltage	300V
Conductor Resistance	4.36 Ohms/Mft @20C
Capacitance	22 pF/ft
Characteristic Impedance	70 Ohms

CERTIFICATIONS AND PHYSICAL PROPERTIES

CSA Certified	CSA C22.2 No. 239 Control and Instrumentation Cables CSA C22.2 No. 174 Cables and Cable Glands for Use in Hazardous Locations			
Applications	Hazardous Locations: Class I, Groups ABCD			
Flame Test Rating	CSA FT4			
Temperature Rating	-40C to 90C Wet/105C Dry			
ROHS	Compliant			
Cable Weight	514	kgs/km	345	lbs/1000ft
Copper Content	118	kgs/km	79	lbs/1000ft
Max Pull Tension	103	kgs	227	lbs
Min Bending Radius	7.50	inches (installed)	191	mms (installed)
Max Cable Length	2625	metres	8612	feet