

CSA ACIC Armoured Instrumentation 300V



18 awg Stranded tinned soft copper, ASTM B8, B33, 300v XLPE insulation, **twisted into pairs**, individually Shielded Pairs with a stranded tinned copper drain wire, polypropylene fillers, polyester separator tape, overall aluminum/mylar shield with tin copper Drain wire, FR LAG PVC Inner jacket, aluminum interlocked armour, grey FT4, FR, LAG PVC, outer jacket

Specifications and Compliance

CSA C22.2 No. 239, Control and instrumentation cables, • CSA C22.2 No. 174, cables and cable glands for use in hazardous locations, • CSA C22.2 No. 38, Thermoset-insulated wires and cables; • CSA C22.2 No. 75, Thermoplastic-insulated wires and cables; • CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray

Flame Test rate: CSA FT4, IEEE 383/1202 (70,000 BTU/hr.), Vertical Flame Test rated

18 awg Stranded Tinned Copper Pairs SPOS (Shielded pairs & Overall Shield) 300v

RW Part No.	Number Of Pairs	Insulation Thickness in	Inner Jacket O.D. in	Armour O.D. in	Cable O.D. in	Cable Weight kg/km	Max Pulling Tension lbs	Min Bend Radius in
IA18-01-PA4	1	0.025	0.296	0.496	0.600	218	28	7.2
IA18-02-PA4	2	0.025	0.347	0.547	0.651	276	57	7.8
IA18-04-PA4	4	0.025	0.555	0.755	0.861	457	113	10.3
IA18-08-PA4	8	0.025	0.713	0.913	1.021	663	227	12.3
IA18-12-PA4	12	0.025	0.902	1.137	1.248	997	340	15.0

All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without notice.

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Colour Coding

- Multi Pairs – Black, & white, number-coded with black ink printed on white conductor

Features

- HL rated for use in hazardous locations
- UV sunlight resistant
- “SUN RES” (all colours)
- Meets cold bend and impact tests at (-40°C)
- Direct burial rated

Application

- Armoured Instrumentation cables are used to convert analogue or digital signals. Used when there is a possibility for crosstalk between pairs / triads.
- For wet and dry locations
- To be used for exposed and concealed wiring or where subjected to the weather.
- For use in ventilated, non-ventilated and ladder-type cable
- Direct burial
- Approved for all hazardous locations as per CEC Part I 2018 Section 18, when installed with approved connectors.