

OVERVIEW

Alta Solutions AS-8031 extension cables are available with and without protective armor and feature Triaxial Cables. They are compatible with all Alta Solutions AS-8030 series 5mm & 8mm probe systems, and Bently Nevada** (BN) 3300 / 3300XL 5mm & 8mm probe systems.

All Alta Solutions AS-8031 extension cables are part of the 10000 series part number designation for agency approvals. The 10000 series P/N will appear on the product's label along with the AS-8031 p/n. e.g. AS-8031-AAA-BB-CC = 10300-AAA-BB-CC.



AS-8031-AAA-BB-CC (5mm/8mm Extension Cable)

A	A	A	Cable Length	B	B	Cable Armor
0	3	0	3.0 meters	0	0	No Armor
0	3	5	3.5 meters	0	1	Armor
0	4	0	4.0 meters	0	1PVC	Armor with PVC Jacket
0	4	5	4.5 meters	C	C	Approvals
0	7	0	7.0 meters	0	0	None
0	7	5	7.5 meters	0	5	CSA, ATEX, IECEx
0	8	0	8.0 meters			
0	8	5	8.5 meters			

ENVIRONMENTAL

Operating and Storage Temperature:

Probe: -51°C to +177°C (-60°F to +350 °F)*

Extension Cable: -51°C to +177°C (-60°F to +350°F)*

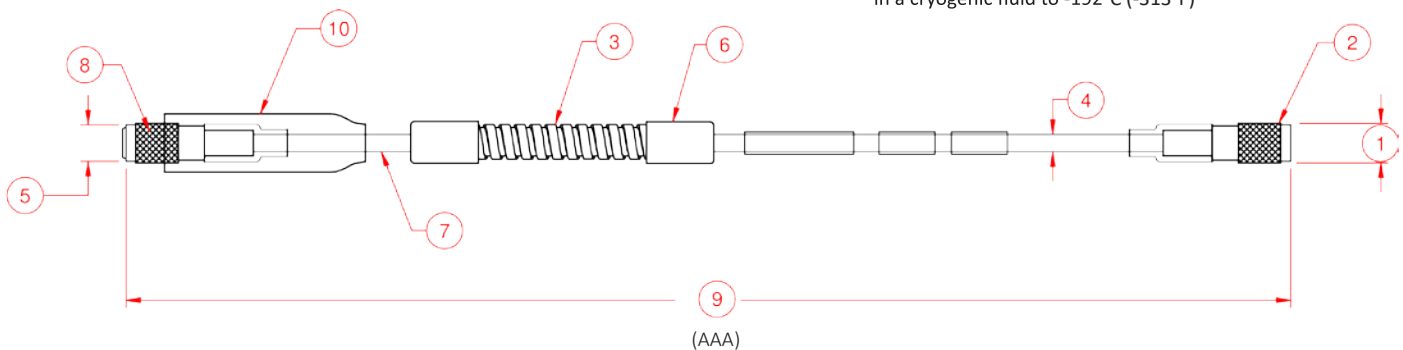
Driver or Transmitter: -40°C to +85°C (-40°F to +185°F)

Relative Humidity: 95%, non-condensing

Probe tip-to-case Pressure Rating: 8mm Probe 68 bar (1000 psi)

Patents: Digital performance curve technology in driver and transmitter: US patent number 7768258.

NOTE* AS-8030 Probes and AS-8031 Extension Cables can be used in a cryogenic fluid to -192°C (-313°F)



AS-8031 Extension Cable

NOTES:

- 7.37mm (0.290") max. outside diameter.
- Miniature male triaxial connector, round, knurled.
- Optional cable protective armor (option BB=01) – 6.99mm (0.275") max. outside diameter. Armor length is 305mm (12.0") less than cable length. Armor material is 304 stainless steel.
- 75Ω cable – 3.70mm (0.146") max. outside diameter.
- 7.37mm (0.290") max. outside diameter.
- Armor ferrule is 303 stainless steel. 8.89mm (0.350") max. outside diameter.
- Ethylene-tetrafluoroethylene (ETFE) insulated triaxial cable.
- Miniature female coaxial connector, round, knurled.
- Total length (option AAA), + 25%, -0%.
- Fluorosilicone connector insulator boot. 13mm (0.51") max. outside diameter 50mm (2.00") max. length. Insulator boot is not designed to seal against moisture ingress. It is provided for electrical insulation of connectors from inadvertent contact with conduit, junction boxes, and other metal objects.

Note: Alta Solutions is continuously improving our products. Please refer to our website to download the latest version of this datasheet

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