

## Bergen Cabling DNV approved Maritime LAN Cat.6A connector – Actassi S-One version



### 10 Gigabit Cat.6A connector

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Fully screened Cat.6A connector RJ 45 for communication up to 500 MHz, 100  $\Omega$ .

The connector can be used with the Maritime LAN 24 port Patchpanel and outlets fits for the connector in a Cat.6A installation. The Actassi S-One version is compatible with the BC-11-001/002 connector.

The connector is made for application up to 10 Gigabit Ethernet on solid wires, and shall be handled according to installation manual and together with the tool for the connector.

### Characteristics

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Operating temperature range:	-40 to +70°C
Dimensions (L x P x W) :	35 x 18 x 28 mm
Material and colour (category colour coded):	Connector: silver (zamak)
	Wire organizer: dark blue (ABS + PC)
Colour coding:	568 A/B

### Standards

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ISO/IEC 11801 Ed2.1  
ISO/IEC 11801 amd2:2010  
ANSI/TIA-568-C.2  
EN 50173:2007  
IEC 60603-7-51



## Properties

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Frequency range	<= 500 MHz
Protection type	Integrated short circuit barrier Metallic: 360 self adjusting + drain wire contact
Voltage proof	1000 V AC/DC, peak, between contacts 1500 V AC/DC, peak, between contacts and shield
Current rating	<= 1.5 A @25 °C
Insulation resistance	<= 500 MOhm @100 V
Electrical resistance	<= 200 mOhm
Transfer impedance	<= 0.1 Ohm at 1 MHz <= 0.2 Ohm at 10 MHz <= 1.6 Ohm at 80 MHz
Coupling attenuation	>= 45 dB from 30...100 MHz >= 85 - 20 x log(f) dB from 100...1000 MHz
Transverse conversion loss	>= 50 dB >= 68 - 20 x log(f) dB from 1 kHz...500 MHz
Contact pins	8 pins in copper alloy and gold plated (IEC 60603-7)
Durability	>= 750 cycles
IDC wire diameter	AWG22...AWG25
Insulation diameter (wire)	0.9...1.4 mm
Pulling force	50 N during 60 s

## Approved by

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Delta Compliance Statement no. 2010-086  
Det Norske Veritas (DNV GL) certificate No: TAE0000008

## Ordering info

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Part No.	Part Name
<b>BC-11-002</b>	Connector Cat6A STP 12 pcs BC Actassi