

VA-CABLES-10GIGE-SFP-5m

5-meter optical fiber incl SFP+ module



Highlights

- 5-meter optical fiber incl SFP+ module for connecting a VALINE 10GigE camera with the VA-PCIe4-10GF-2 - 2x 10GigE framegrabber
- Each camera requires an optical cable + module.

Product specification

Fiber Optic Cable Specification:

Conductor

Material	Silicon Dioxide (SiO ₂)
Composition (No./mm)	Core covering resin layer
Outer Diameter(mm)	0.25

Lagging

Material	PVC
Nominal Insulation Thickness(mm)	0.3
Insulation Outer Diameter (mm)	0.9

Color	White/Aquamarine
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Cable formation

Composition	LSZH outer shell + reinforcing core + 0.9 tight package
Padding	Domestic Yarn

Sheath

Material	LSZH Flame Retardant Material
Nominal Insulation Thickness (mm)	0.3
Wire Diameter (mm)	2.0
Color	Aquamarine

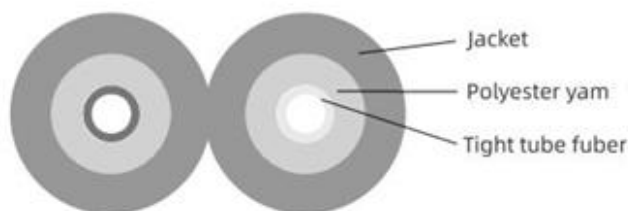
Electrical Characteristics (20°C)

Conductor Resistance (Ω/km)	3.0
Insulation Resistance (MΩ·km)	3.0
Maximum Working Temperature (°C)	-25°C~+75°C
Bending Radius(D)	Dynamic 40mm, Static 20mm

Authentication

RoSH	pass
RECTH	pass

Cable Cross Section



The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substituted for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation, and testing of the products with respect to the relevant specific application or use thereof. Neither VA Imaging nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein or incorrect information in this document.

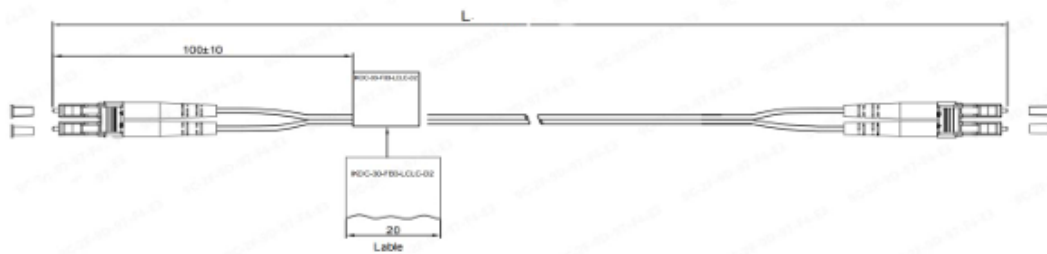
SFP Module

Transmission Rate	10.5G
Product Wavelength	850nm
Transmission Distance	300m
Interface Type	Dual LC
Transmit Power	-7.3~ -1dBm
Receiver Sensitivity	-7.5dBm
Operating Voltage	3.3V±5%
Operating Temperature	-40~80°C

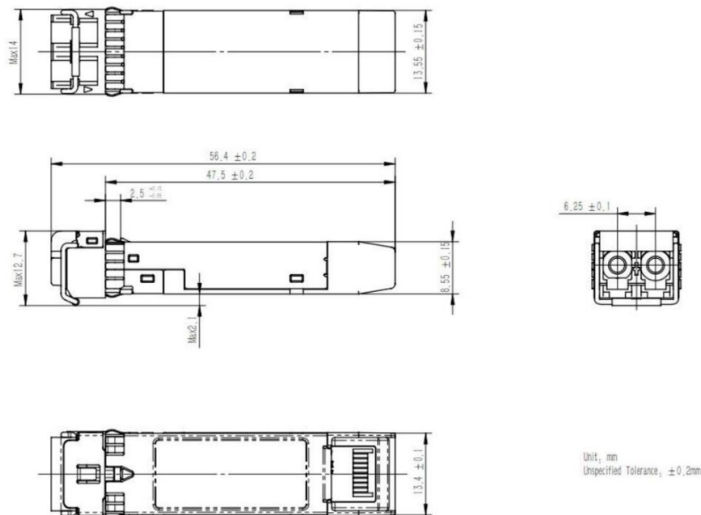
Product table

Part number	Cable Length, L
VA-CABLES-10GIGE-SFP-5m	5 m

Technical drawing



Fiber Optic Cable



SFP Module

* for L parameter please refer to the Product table

! WARNING ! Applying excessive force as well as placing heavy weight on the cable can damage it.

- 1) Be sure to wear protective gloves and anti-static bracelets when operating the active device to prevent fiber optic fragments and static electricity damage.
- 2) Avoid fiber in stretching, bending, force impact and other vulnerable scenes (note that the minimum bending radius of the fiber for dynamic 40mm, static 20mm); do not hang or place the fiber, in order to prevent inadvertent damage.
- 3) Avoid frequent insertion or removal of optical fibers to reduce wear and tear; gently inserted and removed during installation, avoid excessive force resulting in fiber optic core offset.
- 4) Keep the fiber optic connector clean and dry to avoid dust, oil and other impurities affecting the signal quality; after use, please cover the fiber optic cap in a timely manner to prevent the fiber optic end face from being contaminated.