

Oggetto: relazione acquisto fibre ottiche – CIG B1FA004CC2

Il sottoscritto Daniele Farnesi RUP dell'acquisto con CIG B1FA004CC2 per fibre ottiche e relativi componenti ottici per l'allestimento di setups sperimentali per spettroscopia in riflessione nell'ambito del progetto "PRIN2022 20225MR35K.PE7 JUNCTION - CUP B53D23002260006" ed accessori per la lavorazione di fibre ottiche necessarie alla realizzazione di sensori per la misura di parametri chimici e biochimici nell'ambito del progetto "PRIN2022 2022JRKETK.PE7 BOHEMIAN -CUP B53D23002670006",

dichiara

- che il bene non è reperibile tramite convenzione CONSIP,
- di voler procedere all'affidamento diretto tramite Trattativa Diretta Me.PA alla ditta On Optics! SNC,
- che, ai sensi dell'art. 49 D.lgs. 36/2023 è stato applicato il principio della rotazione,
- che per l'acquisto con fondi PRIN è necessario rivolgersi ad un fornitore italiano in quanto per motivi di rendicontazione le linee guida fornite dalla sede CNR ci obbligano a richiedere al fornitore la compilazione di documenti amministrativi redatti esclusivamente in lingua italiana e con riferimenti alla legislatura italiana,
- che è stata svolta un'indagine di mercato, tramite consultazione di cataloghi, listini disponibili in rete e richieste di preventivi per prodotti custom, che ha coinvolto le poche aziende di distribuzione di fibre ottiche quali dB Electronic Instruments srl (in allegato),
- che per prosecuzione di esperimenti già in atto sono state testati alcuni particolari tipi di fibre ottiche custom,
- che la ditta ON Optics! snc ha presentato un preventivo che comprende tutti i prodotti da noi richiesti ad un prezzo ritenuto congruo e in linea con i prezzi di mercato;

Data e luogo

Il RUP

26/06/2024

Confronto con prodotti con caratteristiche simili:

BFY200LS02 - Bifurcated Fiber Bundle, Ø200 µm, Low OH, SMA905, 2 m



Part Number: BFY200LS02 - [Ask a technical question](#)
 Package Weight: 0.61 kg / Each
 Available: 7-10 Days
 RoHS: N/A
 Price: 374,43 €
 Add To Cart: Qty:

Drawings and Documents:

Auto CAD PDF		
Auto CAD DXF		
Solidworks		
eDrawing		

Prodotti scelti:

YLOHM2 Of-Link: 300 €

YLOHM7 Of-Link: 360 €

M36L01 - Ø200 µm, 0.22 NA, Low OH, FC/PC to SMA905 Fiber Patch Cable, 1



Part Number: M36L01 - [Ask a technical question](#)
 Package Weight: 0.15 kg / Each
 Available: Today
 RoHS:
 Price: 100,08 €
 Add To Cart: Qty:
[Add To Cart](#)
 Release Date: 19.09.2017

Drawings and Documents:

Auto CAD PDF			
Auto CAD DXF			
Solidworks			
eDrawing			
Step			
RoHS			

Prodotti scelti:

HOHMF Of-Link: 90 €

HOHMF200 Of-Link: 90 €

Fiber Polishing/Lapping Film for Use with Ceramic Ferrules

Thorlabs offers lapping (polishing) sheets to polish a connector after the fiber has been epoxied into the ceramic ferrule. Polishing or Lapping Film is composed of tiny particles glued to a substrate. By moving the connector over the polishing film, excess material is removed and the fiber end is polished. Different grades of polishing film are used in successive polishing cycles. Each polishing cycle uses a finer grit paper.

Our diamond sheets have tiny diamond particles glued to a substrate of polyester with resin. We highly recommend a five step polishing process: the first four steps using diamond sheets in four different grit sizes of 30 µm, 6 µm, 3 µm, and 1 µm, and the fifth using our final polishing sheets which have a grit size of 0.01 µm. To use, drop distilled water onto the sheet and polish in a figure-eight motion using an appropriate polishing puck (sold below).

Our Final Polishing Sheets (Item # LFCF2), which eliminate the need for slurry, are designed to be used as the last step in the fiber polishing process. These sheets are made by coating polyester film with precision-grade silicon dioxide. These sheets produce an excellent surface finish with minimal scratches and offer no binder contamination on the optical fiber during polishing.

We recommend using these sheets over the less expensive aluminum oxide, silicon carbide, or calcined alumina sheets when polishing ceramic or zirconia ferrules because they do not cause undercutting when polishing the connector like silicon carbide can. Undercutting occurs when the fiber material is removed more quickly than the ferrule material creating a dip just above the fiber. When the connector is mated to another connector, instead of obtaining a glass-to-glass interface, the air gap created by the undercutting causes a glass-air-glass interface and excess loss, which is undesirable.

Despite the higher upfront cost per sheet, each area of the sheet can be used up to 20 times instead of once, compared to the aluminum oxide, silicon carbide, and calcined alumina sheets featured below. This greatly increases its value. These 6" x 6" sheets should be used with our glass polishing plates and rubber mats (see below).

Note: The diamond and final polishing films are sold in packages of 5.

Based on your currency / country selection, your order will ship from Munich, Germany

Part Number - Universal	Price ex VAT	Available
LFCE2 NEW! 6" x 6" Final Lapping (Polishing) Sheets, 0.01 µm Grit (5 Sheets)	39,71 €	7-10 Days
LF1D 6" x 6" Diamond Lapping (Polishing) Sheets, 1 µm Grit (5 Sheets)	39,71 €	Today
LF3D 6" x 6" Diamond Lapping (Polishing) Sheets, 3 µm Grit (5 Sheets)	39,71 €	Today
LF6D 6" x 6" Diamond Lapping (Polishing) Sheets, 6 µm Grit (5 Sheets)	39,71 €	Today
LF30D 6" x 6" Diamond Lapping (Polishing) Sheets, 30 µm Grit (5 Sheets)	39,71 €	Today

Fiber Polishing/Lapping Film for Use with Stainless Steel Ferrules

Thorlabs offers aluminum oxide, silicon carbide, and calcined alumina lapping/polishing sheets to polish a connector after the fiber has been epoxied into the ferrule. Lapping sheets are like sandpaper for optical connectors. Tiny aluminum oxide, silicon carbide, or calcined alumina particles are glued to a substrate of polyester with a non-pressure-sensitive adhesive. As we highly recommend a four step polishing process when using these sheets, we offer our sheets in four different grit sizes: 5 µm grit using silicon carbide, 1 and 3 µm grits using aluminum oxide, and 0.3 µm grit using calcined alumina.

Typically, each area of each sheet can only be used once to polish a single connector. Care should be taken when polishing your connector as these sheets can cause scratches on the fiber end face. Undercutting occurs when the fiber material is removed more quickly than the ferrule material creating a dip just above the fiber. When the connector is mated to another connector, instead of obtaining a glass-to-glass interface, the air gap created by the undercutting causes a glass-air-glass interface and excess loss, which is undesirable.

Prodotti scelti:

Buehler fibrmnet polishing disks 693100, 693101, 693102, 693103, confezione da 50 dischi: 185 €

405nm 1mW Pigtailed Laser Diode

Stock #23-752 [CONTACT US](#)

1 **€1.075,00**

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Qty 1-9	Qty 10+	Volume Pricing
€1.075,00	€967,50	Request Quote

Prices shown are exclusive of VAT/local taxes

[+ Add to Saved List](#) ☐ Compare

Note: This item requires accessories for use | [Learn More](#)

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- User Manual:pdf
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Prodotto Scelto: D405 - 405 nm, Pin Code, Laser Diode : € 600,00



dB electronic instruments srl

20091 Bresso (MI) - Via Carolina Romani, 2/B
Tel. 02 6469341/2/3 - 6466222 - Fax 02 6456632
www.db-electronic.it - E-mail: sales@dblaser.it

Offerta di vendita

Vs. Riferimento: Dr. DANIELE FARNESI

Validità Offerta: 30 giorni

Pagamento : RD3SP R.D. 30gg. DF+Split Payment

Merce resa : F.co Vs. indirizzo scaricato a terra

Garanzia (commerciale) : 12 mesi dalla data di consegna

Consegna: Appross. 2-3 settimane

Spett.le:

C.N.R. - Istituto di Fisica Applicata "Nello Carrara"

Via Madonna del Piano, 10

50019 SESTO FIORENTINO (FI) (IT)

Modello e descrizione	Partita IVA o codice fiscale	Data documento	Numero documento	Versione	Pag.	di
Codice nominativo CNRFIIFA	IT 02118311006	19-04-24	38/24	1	1	1
Voce Fornitore: THORLABS						
					U.M.	Quantità Prezzo Importo

1	SMF-28-CUSTOM SMF-28-Custom Fiber Type: SMF-28 (Bare fiber) Tubing: None, only 2-3 cm at the connector ends for strength END 1: FC/APC END 2: FC/APC Length: 4m ±7cm	n.	10	131,40	1.314,00
2	Shipping and handling	n.	1	40,00	40,00

N.B. - Per ordini inferiori a € 250.00 Vi verranno addebitati € 50.00 per spese di importazione e gestione ordini.

Totale offerta EUR

1.354,00

I.V.A. esclusa

Prodotto Scelto : FOPC-1315-SM-B-40-FA-FA Of-Link: 195,20 €

25.4mm Dia. x 25.4mm EFL, Protected Aluminum 90° OAP Mirror with Alignment Through Holes

Stock #11-770 **€250,00**

ADD TO CART

Qty 1x Volume Pricing
Request Quote

Prices shown are exclusive of VAT/focal taxes

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- IGES.igs
- Zemax.zmx
- eDrawing.eprt
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Type:	Off-Axis Parabolic Mirror	Diameter (mm):	25.40 ±0.05/-0.10
Effective Focal Length EFL (mm):	25.40	Focal Length Tolerance (%):	±1
Radius of Curvature (mm):	25.40	Coating:	Protected Aluminum (400-2000nm)
Coating Type:	Metal	Coating Specification:	R _{avg} >85% @ 400 - 1000nm R _{avg} >90% @ 400 - 2000nm
Off-Set Angle (°):	90	Parent Focal Length PFL (mm):	12.7
Surface Figure, RMS:	λ/8	Surface Roughness (Angstroms):	<50 RMS
Wavelength Range (nm):	400 - 2000	Surface Quality:	80-50
Substrate:	Aluminum 6061-T6	Y Offset (mm):	25.40

Prodotto scelto: #11-770 Edmund, 25.4mm Dia. x 25.4mm EFL, Protected: € 250

[Products Home](#) / [Fiber Components](#) / [Collimation / Coupling](#) / [Triplet Fiber Optic Collimators/Couplers](#) / TC25APC-405

TC25APC-405 - 405 nm, f=24.77 mm, NA=0.25, FC/APC Triplet Collimator



[Zoom](#)

[Complete Product Details](#)

Part Number: TC25APC-405 - [Ask a technical question](#)
Package Weight: 0.05 kg / Each
Available: Today
RoHS: N/A
Price: 625,22 €
Add To Cart: Qty:
[Add To Cart](#)
Release Date: 09.07.2014

Drawings and Documents:

Auto CAD PDF		
Auto CAD DXF		
Solidworks		
eDrawing		
Step		
Zemax (ZAR)		
RoHS		
REACH		SVHC

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Building a Setup?

One-Click download of multiple documents available from the shopping cart. No purchase necessary.

Warranty (Subject to our General Terms and Conditions)

Two year warranty. Incorporated light sources are warranted for the lesser of one year or (to the extent applicable) the number of hours stated in the specifications.

Prodotto Scelto: CT405 405 nm, FC/APC Triplet Collimator: € 600,00

Sospensione a diamante reali: x +

https://metallographie.shop/Sospensione-diamantata-policristallina-025-um-500-ct-L-flacone-da-500-ml-con-tappo-contagocce

Schmitz
Metallographie GmbH

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Sospensione diamantata policristallina 0,25 µm, 500 ct/L, flacone da 500 ml con tappo contagocce

SKU: 204-025
Category: Policristallino, 500 carati/L
Manufacturers: Schmitz-Metallographie GmbH

Base
Please select a variation.

from **967,90 €**
1.935,80 € per l
excl. 19% VAT [Free shipping](#)

From	Unit price (500,00 ml)	Base price
2	1.175,30 € *	2.350,60 € per l
10	967,90 € *	1.935,80 € per l

made by **Schmitz**

Available immediately

Question about item

Prodotti scelti: sospensioni diamantate MetaDi Supreme - Diamante

sintetico policristallino in base acquosa - 0,25µm, Flacone da 240ml con nebulizzatore: 203 €