



Cerere de oferta de pret

In vederea efectuării unei analize de pret va rugam sa ne transmiteti oferta tehnico - financiara pentru urmatoarele produse:

Nr. crt.	DENUMIREA PRODUSULUI / caracteristici <u>minimale</u>	Cant.	Pret estimat cu TVA (RON)	Valoare totala (RON)																										
1	<p>1.1 Cablu cu fibra optica unitub de exterior nemetalic cu 12 fibre single-mode Cable specifications (construction in accordance with IEC 60794) 1. Primary coated optical fibres: $\text{Ø } 250 \pm 15 \mu\text{m}$. 2. Central tube, jelly filled (non dripping and silicon-free) with up to 12 fibres. Individually colour coded optical fibres: red – natural or grey – yellow – blue – green – violet – brown – black – orange – turquoise – pink and white. 3. Swellable yarns as strength members and for the longitudinal watertightness. 4. Black UV resistant PE outer jacket. 5. Universal (halogen-free) cables for outdoor and/or indoor use Mechanical data</p> <table border="1"> <thead> <tr> <th></th> <th>standard rodent protection</th> </tr> </thead> <tbody> <tr> <td>No. of fibres max.</td> <td>12</td> </tr> <tr> <td>Ø Central tube (mm)</td> <td>3.2</td> </tr> <tr> <td>Ø nom./max. (mm)</td> <td>5.8 / 6.1</td> </tr> <tr> <td>Weight (kg/km)</td> <td>28</td> </tr> <tr> <td>Energy of flame (kJ/m)</td> <td>762</td> </tr> </tbody> </table> <p>Characteristics (cabled) Single-Mode - Matched-Cladded optical fibres according to ITU-G.652B</p> <table border="1"> <thead> <tr> <th>Fibre-type</th> <th>Size (μm)</th> <th>Wavelength (nm)</th> <th>Attenuation average/max. (dB/km)</th> <th>Dispersion (ps/(nm_km))</th> <th>PMD (ps/$\sqrt{\text{km}}$)</th> <th>Refractive Index</th> </tr> </thead> <tbody> <tr> <td>9/12</td> <td>9.2 ±</td> <td>1310</td> <td>0.33 /</td> <td>≤3.5</td> <td>≤0.2</td> <td>1.467</td> </tr> </tbody> </table>		standard rodent protection	No. of fibres max.	12	Ø Central tube (mm)	3.2	Ø nom./max. (mm)	5.8 / 6.1	Weight (kg/km)	28	Energy of flame (kJ/m)	762	Fibre-type	Size (μm)	Wavelength (nm)	Attenuation average/max. (dB/km)	Dispersion (ps/(nm_km))	PMD (ps/ $\sqrt{\text{km}}$)	Refractive Index	9/12	9.2 ±	1310	0.33 /	≤3.5	≤0.2	1.467	300 m	4	1200
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	5	0.4 125 ± l	1550	0.38 0.20 / 0.25	≤ 18		1,467			
	Temperature range according to IEC 60794-1-2-F1 Transport/storage - 30 to + 70 °C Installation - 5 to + 50 °C Operation - 30 to + 70 °C Pulling tension according to IEC 60794-1-2-E1 With standard RP ≤ 700 N Crush resistance according to IEC 60794-1-2-E3 Central tube and cable ≤ 10000 N/m Bending radii for fibres and tubes Installation/operation > 25 mm Bending radii cable Static according to IEC 60794-1-2-E11 -10 x Ø Dynamic according to IEC 60794-1-2-E6 -15 x Ø									
	1.2 Suduri fibra optica (lipituri)							36	30	1080
	2	Cutie terminala (terminal box) pentru 8 suduri optice echipat cu 8 adaptori SC/APC Product details Dimension(LxWxH): 260mmx140mmx40mm Features The shell is high intensified & insulated material, thus having excellent mechanic performance and it is solid and durable. Fiber input: 2 Adapters output: 8 Strength core and shell was Insulation, add with grounding lead Can be installed against wall Full accessories for convenient operations Performance: Excellent design Maximum cores 8 Fiber lead , grounding and perfect fixup , reliable Pigtail fixup reliable and perfect protection Apply to extensive field Convenient operations and maintenance Specification: Environment temperature: -25°C~+45°C Relative humidity: ≤85%(30°C) Atmosphere pressure: 70~106KPa Insulated Resistance: ≥2x10MΩ/500V(DC) Intensity ≤15KV(DC)/1minno spark-over and no flying arc Fiber bending radium guaranteed more than 40mm:≥40mm					1	80 ✓	80	
	3	Cutie distributie fibra optica pentru interior, 24 conexiuni Specificatii: Cutie distributie fibra optica metalica pentru interior sau exterior Dimensiuni maxime: 500*500*200 (mm) Obligatoriu yala cu cheie Contine: • 2 casete de sudura de 12 conexiuni • 24 tuburi termoretractabile • posibilitate echipare cu conectori SC • 2 intrari pentru cablu fibra optica					1	480 ✓	480	

	• 2 iesiri pentru cablu fibra optica																															
4	Patch panel optic echipat cu 12 adaptori, SC/APC patch panel optic ODF pt rack19", 1U, sertar culisant, echipat cu 12 adaptori SC/APC , 12 shrinktubes, pigtail bundle 12 x SC/APC – 1,5m	1	250	250																												
5	Pigtail bundle 12xSC/APC fibra SM 0,9mm de culori diferite, lungime 1,5m	4	120	480																												
6	Adaptor SC/APC-SC/APC, SM, simplex, pentru TERMINAL BOX / PATCH PANEL	24	8	192																												
7	Patch cord singlemode Duplex SC/APC-SC/APC, fibra SM 2mm, DUPLEX, lungime minim 1m Specificatii: <table border="1" style="margin-left: 40px;"> <thead> <tr> <th>PARAMETER</th> <th>FIBRA TIP SINGLEMODE</th> </tr> </thead> <tbody> <tr> <td>CORNING Fiber</td> <td>SMF-28e 9/125um</td> </tr> <tr> <td>Cover Material</td> <td>PVC/ LSZH - Φ3mm</td> </tr> <tr> <td>Strength Member</td> <td>Aramid</td> </tr> <tr> <td>Standard</td> <td>G652D</td> </tr> <tr> <td>Insertion Loss</td> <td><0.25 db</td> </tr> <tr> <td>Return Loss</td> <td>APC>55db</td> </tr> <tr> <td>Repeatability</td> <td><0.1 dB</td> </tr> <tr> <td>Durability</td> <td><0.1 db, up to 1000 connections</td> </tr> <tr> <td>Interchange</td> <td><0.1 dB</td> </tr> <tr> <td>Flexibility</td> <td>> 10 kg</td> </tr> <tr> <td>Operating Temp.</td> <td>- 20°C~+60°C</td> </tr> <tr> <td>Patchcord Type</td> <td>duplex</td> </tr> <tr> <td>Available Length</td> <td>Minim 1 m</td> </tr> </tbody> </table>	PARAMETER	FIBRA TIP SINGLEMODE	CORNING Fiber	SMF-28e 9/125um	Cover Material	PVC/ LSZH - Φ 3mm	Strength Member	Aramid	Standard	G652D	Insertion Loss	<0.25 db	Return Loss	APC>55db	Repeatability	<0.1 dB	Durability	<0.1 db, up to 1000 connections	Interchange	<0.1 dB	Flexibility	> 10 kg	Operating Temp.	- 20°C~+60°C	Patchcord Type	duplex	Available Length	Minim 1 m	6	40	240
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8	Receptor optic FTTH nextraCOM - NX-1088M Receptor optic miniatura FTTH de interior, alimentare 12V DC, sensibilitate optica -7dBm, conector SC/APC, putere pe iesirea RF \geq 88dB Performance characteristics Forward RF branch output, 75 Ω impedance. Adopt GaAs amplifier device. 12V DC voltage power supply. Small size and easy to install Specifications: Forward Optical receiving part Optical parameters Receiving Optical Power dBm -7 ~ +2 Optical Return Loss dBm >45 Optical Receiving Wavelength nm 1100 ~ 1600 Optical Connector Type SC/APC Fiber Type Single Mode	1	140	140																												

	<p>communications</p> <p>Features</p> <p>Operating data rate up to 1.25 Gbps 1310 nm FP LD Transmitter for SM under 60Km distance or 1550nm DFB LD Transmitter for over 80Km distance transceivers For SM FO modules are up to 120Km – transmission distance Single 3.3V Power supply and TTL Logic Hot-pluggable SFP footprint duplex LC connector interface RoHS, CE, FDA, FCC etc certificates Class 1 FDA and IEC60825-1 laser safety compliant Operating case temperature Standard: 0C~+70C, Industrial:-40C~+85C Compliant with MSA SFP Specification Digital diagnostic monitor interface Compatible with SFF-8472</p> <table border="1"> <thead> <tr> <th>Model</th> <th>FO</th> <th>Distanta</th> <th>Conector</th> <th>Lungime de unda</th> <th>Transfer</th> </tr> </thead> <tbody> <tr> <td>SBN-SFP-SM-1.25-LX-10</td> <td>SM</td> <td>10 KM</td> <td>LC</td> <td>1310 LX</td> <td>1,25 Gbps</td> </tr> </tbody> </table> <p>Nota:</p> <p>Modulele SFP sunt compatibile CISCO</p>	Model	FO	Distanta	Conector	Lungime de unda	Transfer	SBN-SFP-SM-1.25-LX-10	SM	10 KM	LC	1310 LX	1,25 Gbps			
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SBN-SFP-SM-1.25-LX-10	SM	10 KM	LC	1310 LX	1,25 Gbps											
11	Coliere prindere din plastic (soriceii) aprox. 280 x 3.5mm (100buc/punga)	4	5	20												
12	<p>Spliter optic cu o intrare si 4 iesiri conectori SC/APC – 1x4 SC/APC</p> <p>Spliter optic PLC (planar lightware circuit) 1x4 iesiri egale, lungime de unda de operare 1260-1650nm, ABS box 100x80x10mm, patch fibra 2-3 mm lungime 150 cm; Conectori SC/APC, cu markeri de recunoastere 0 in, 1:2:3:4 out. Serial number: BRAUN GROUP - SO-PLC1x4-SC/APC</p> <p>Specificatii tehnice:</p> <p>Operating wave length (nm): 1260-1650 Insertion loss(dB) Max(S/P): 7.2/7.4 Loss homogeneity(dB): Max 0.8 Return loss(dB) Min(S/P): 50/55 (PDL)Polarization loss(dB): 0.3 Orientation(dB): Min 55 Operating temperature: -40 ~ +85 Storage temperature: -40 ~ +85 Splitting ratio: average Type: 1X4 Fiber cable outer size: 2mm Fiber lead length: 1.5m Transmission mode: SM G.652 G.655 Connector: SC/APC</p>	1	100	100												
13	<p>Emitator optic, laser DFB, putere 10mW (10dBm), 1310nm +/- 20nm, conector SC/APC, inytrare RF 45-860 MHz, nivel intrare 75-85dBmV, alimentare 100-260V in comutatie</p> <p>Tabel parametri tehnici:</p> <table border="1"> <thead> <tr> <th>Parametru</th> <th>Unitate</th> <th>Parametru tehnic</th> </tr> </thead> <tbody> <tr> <td>Putere optica</td> <td>mW</td> <td>10</td> </tr> </tbody> </table>	Parametru	Unitate	Parametru tehnic	Putere optica	mW	10	1	3600	3600						
Parametru	Unitate	Parametru tehnic														
Putere optica	mW	10														

Pierdere pe calea de legatura optica	dB	11			
Lungimea de unda optica	nm	1310±20			
Tipul laserului		DFB			
Mod de modulare optica		Modulare directa optica in amplitudine			
Tip conector optic		SC/APC			
Plaja de frecvente	MHz	47-862			
Nivel de intrare RF	dBμV	72-88			
Planeitate in banda	dB	±0.75			
Impedanta RF de intrare	Ω	75			
Pierderi de reflexie la intrare	dB	≥16 (44-550MHz); ≥14 (550-862MHz)			
C/CSO	dB	≥60			
C/CTB	dB	≥65			
C/N	dB	≥51			
Plaja de control AGC	dB	±5			
Plaja de control MGC	dB	0-10			
Tensiunea de alimentare	V	AC 110-250 (50Hz sau 60Hz)			
Puterea consumata	W	30			
Temperatura de functionare	°C	0-45			
Temperatura de stocare	°C	-20 - +65			
Umiditate relativa	%	Max 95% fara condensare			
Dimensiuni	mm	483 Lungime x 380 Latime x 44 Inaltime			

Pozitia 1 (1.1 si 1.2) va fi adjudecata de un singur ofertant care va presta serviciile de sudura in functie de necesitatile beneficiarului. Sudurile nu vor fi realizate toate odata, ci in functie de disponibilitatea beneficiarului.

Cerintele tehnice vor fi considerate ca fiind minimale. În acest sens vor fi luate în considerare toate ofertele care, prin propunerea tehnică, asigură un nivel egal sau superior cerințelor minimale solicitate; ofertele de produse cu caracteristici tehnice inferioare celor solicitate vor fi declarate neconforme în temeiul art. 137 alin 3, lit. a) din HG nr.395/2016.

Specificațiile tehnice care indică o anumită origine, sursă, producție, un produs special, o marcă de fabricație sau de comerț, un brevet de invenție, o licență de fabricație sunt menționate doar pentru identificarea cu ușurință a tipului de produs și nu au ca efect favorizarea sau eliminarea anumitor operatori economici sau anumitor produse. **Aceste specificații vor fi considerate ca având mențiunea "sau echivalent".**

Orice certificat, avizare, autorizatie specificata in cadrul fiselor tehnice va fi considerata ca **având mențiunea "sau echivalent".**

Condiții contractuale:

1. Pretul va fi unitar, fara TVA si exprimat in RON si va cuprinde toate cheltuielile legate de transport la sediul beneficiarului (Sediul Administrativ al Universității din Craiova, str. Libertatii, nr.19, Craiova).
2. In oferta tehnica vor fi specificate **modelul, caracteristicile si producatorul produselor oferite.**
3. Vor fi specificate **termenul de garantie.**
4. Va fi specificat termenul de valabilitate al ofertei (minim 30 de zile).
5. Va fi specificat **termenul maxim de livrare** de la primirea comenzii.
6. Modalitate de plata: cu ordin de plata in cont de Trezorerie, pe baza de factura originala, in maxim 30 zile de la receptia produselor.
7. Oferta tehnico-financiara **semnata si stampilata** si cu datele de identificare ale firmei, va fi transmisa in format electronic la adresa **aprovizionare@ucv.ro** sau pe fax **0251/411753** pana la data de **25.05.2017, ora 16:00.**
8. Adjudecarea se va face conform criteriului „Pretul cel mai scazut” pentru fiecare pozitie in parte, cu conditia respectarii cerintelor tehnice solicitate.

Șef Serviciu Aprovizionare și
Urmărire Contracte. Produse și Servicii
Ec. Adriana Durle



Compartimentul Aprovizionare
Ec. Mircea Raduteanu

