



NEWNESS

Fibrain Rapid Connector

Excellent transmission parameters, easy assembly in installation place and time saving, are only some benefits of the new series of Fibrain Rapid Connector.



RC01-111

Rapid Connector SC PC type
for fibers 250/900 μm



RC01-311

Rapid Connector LC PC type
for fibers 250/900 μm

RC01-212

Rapid Connector SC APC type
for drop cables VC-DCY



RC01-211

Rapid Connector SC APC type
for fibers 250/900 μm



As the unquestionable leader of innovative telecommunication solutions, we constantly work on meeting the demanding clients' requirements, thus we would like to offer the new series of rapid connectors. **FibraIn Rapid Connector series** can be used to assembly the optical cable fibers on site, using standard equipment to prepare the fibers. Assembly time together with fiber preparation do not exceed 120 seconds, and requires no special or extra tools. The fibers clamping system in v-groove, which is filled with matching gel, improves the transmission parameters. Moreover, it eliminates the necessity to use other adhesives or epoxies, and reduces time to properly heat up such adhesive. High quality matching gel, whose refractive index is close to refractive index of the core of optical fiber, significantly reduces return losses. The central and the key part of an each connector, including a series of rapid connectors, is the ferrule.

Return and insertion losses depend on the ferrule endface geometry parameters, as a result the **Rapid Connectors** ferrules are polished in a premium grade, and can be characterized by the excellent concentricity. Furthermore, brand-polished ferrule eliminates the need to use additional polishing materials or hand polishing at the workplace.

Applications:

- LAN local networks,
- WAN wide networks,
- FTTH networks,
- Telecommunication networks,
- CATV networks.

FibraIn Rapid Connector series includes the connectors which can be used to terminate the single or multimode optical fibers in 250 μm or 900 μm covering. They also have the special connector construction for the drop cables of VC-DCY type, which are used in the FTTH cabling. The connectors used to terminate the VC-DCY cables are assembled on the exterior cable sheath, not only in 250 μm covering, consequently the protection of the connection is much higher.

Undoubted and huge advantage of the **Rapid Connector series**, apart from time saving and transmission parameters, is the durability and resistance of the matching gel for even 25 years. If you decide to use the Rapid Connectors to terminate the optical fibers, satisfaction and peaceful usability for many years will be guaranteed!

Features:

- Termination is less than 2 minutes,
- Easy and fast assembly,
- Excellent transmission parameters,
- High quality of materials,
- Ferrule premium polishing grade with excellent endface geometry parameters and high concentricity,
- Durability for 25 years.

Technical data:

Parameter	Singlemode connectors		Multimode connectors
	PC	APC	
Insertion loss IL	0.2 dB	0.3 dB	0.1 dB
Return loss	55 dB	60 dB	35 dB
Durability	<0.1 dB, 500 change/matings		
Work temperature	-40 to +75C		
Connector type	SC, LC		

Information to order:

Series	Connector type	Fiber type	Cable type
RC01	1 - SC PC	1 - SM 9/125 μm	1 - 250/900 μm
	2 - SC APC	2 - MM 50/125 μm	2 - Drop cable VC-DCY
	3 - LC PC		

Rapid Connectors are sold in sets containing 10 connectors of the rapid installation. We recommend adapters to assembly the Rapid Connector RC01-J in drop cables VC-DVC type, which facilitate and accelerate cables termination.