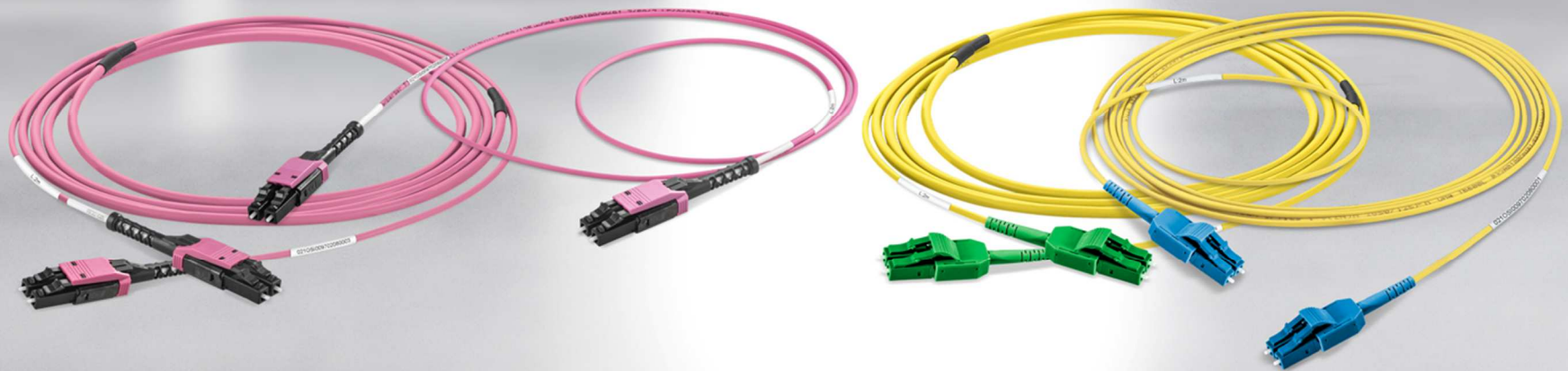


LC-COMPACT Patchcords

PRODUCT INFORMATION



LC-COMACT Patchcords solution is available in two end face quality features: BASIC and PURE**Define the end-face quality according to your application requirements:**

Quality feature BASIC is our well-proven, high-grade, standards compliant product in terms of end-face geometry, defect, and cleanliness, providing excellent IL and RL performance:

- The PreCONNECT® factory-assembled plug & play system enables quick and reliable, cost efficient, installation and performance
- Harmonized modular components of the quality feature BASIC solution ensure end to end performance of the entire channel



Quality feature PURE is the enhanced version of our quality feature BASIC, but with more stringent defect and cleanliness screening and factory sealed, tamper evident adapter-interfaces.

- Guaranteed protection of the polished connector end-face against contamination and damage through sealed adapter-interfaces, enabling time savings during initial installation and commissioning due to the elimination of the need for cleaning and testing*/**.
- Quality feature PURE provides an industry leading low random mate insertion and return loss (mean) which enables up to six (6) mated pairs in a 10G/OM4 application up to 300m.

Part numbers:

Quality feature BASIC: The part numbers XXXAXXXX listed in this document are valid for the BASIC quality feature.

Quality feature PURE: Add a “**P**” to the end of the quality feature BASIC part number (*Example: XXXAXXXX**P***)

(Note: PURE trunk cables have factory attached sealed coupling adapters incorporated and thus utilize empty patch panels and enclosures)

** While Rosenberger does not require permanent link or channel testing for warranty registration of PURE installations due to guaranteed performance, certain customers will require testing documentation for their records.*

*** Only applicable when all components are of quality feature PURE and installed by trained PURE installers.*

Applications:

For stationary and weather protected application acc. to IEC 60721-3-3, like within data centers and buildings.

Properties:

- 2 fiber round cables, single and double jacket, different diameters
- Bending behavior of the round cables equal in all directions
- Bend-insensitive fibers
- With FRNC-LSZH and OFNP (Plenum) cable jackets, OFNR (Riser) on request
- Polarity:
 - Full-duplex cables with duplex connectors on both sides “crossed” A to B in accordance with ISO/IEC 11801 and EN 50173
 - Polarity changeable if needed
- Operating temperature range climate class C „indoor, controlled environment“ acc. to IEC 60753-1, -10°C to +60°C
- Connector, fiber and cable data on request via the product profiles of the patchcords

Length tolerances:

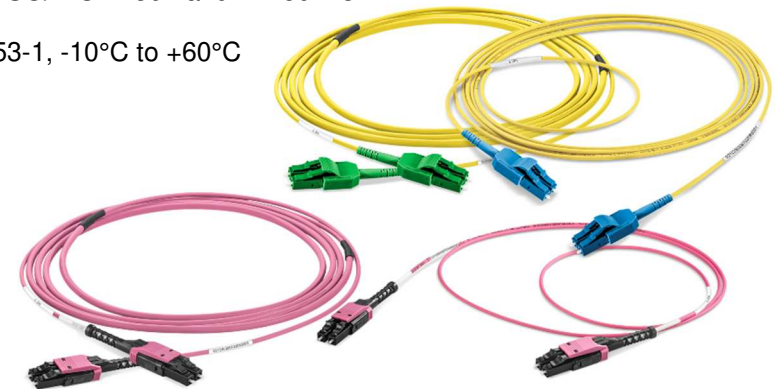
- Up to 1 m = - 50 mm
- 2 m to 3 m = - 100 mm
- 4 m to 25 m = - 200 mm
- Longer than 25 m = - 1 %

Delivery form:

- Attenuation (IL) measured in accordance with IEC 61300-3-4 „C“ or „Substitution“ method, MM 850nm/SM 1310nm, measurement values on request, or can be downloaded from our website by using the serial numbers of the patchcords <https://www.rosenberger.com/products/download-measurement-data/>
- Serial number labels with length information at both patchcord ends
- Individually packaged in foil bags with product ID label

Your benefits at a glance:

- Significantly reduced cable volume compared to conventional zipcord and flat-breakout LC-DUPLEX patchcords
- 2 fiber round cable bending behavior equal in all directions, through this better than conventional zipcord and flat-breakout
- The perfect fitting cable diameter for each application available
- Installed patchcords can be clearly identified by their serial number labels with length information at both patchcord ends
- Patchcords can be loaded with their serial number into your network documentation



LC-COMPACT connectors:

LC-COMPACT are LC-Duplex acc. to IEC 61754-20 and EIA/TIA 604-10 with central strain relief and boot (Uniboot) for 2 fiber round cables

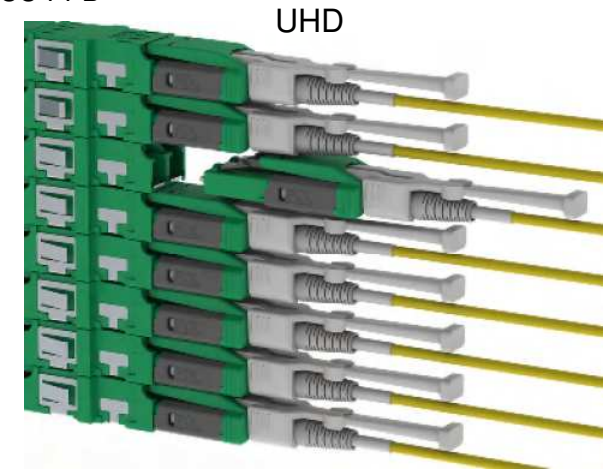
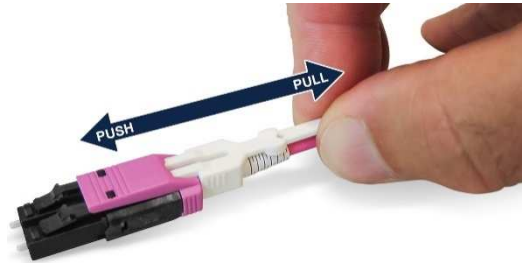
LC-COMPACT Push-Pull-Boot (LCC-PPB):

- No disturbing / hindering Push-Pull-Tab, but Push-Pull-Boot for simplified handling
- Minimum height for Ultra High Density (UHD) stacking
- Polarity easy and secure changeable, see QR code link to video below



LC-COMPACT Push-Pull-Tab (LCC-PPT):

- For some applications needed, but mostly disturbing / hindering Push-Pull-Tab
- Minimum height for Ultra High Density (UHD) stacking
- Polarity easy and secure changeable, equal to LCC-PPB



Video polarity change



LC-COMPACT (LCC):

- Conventional LC-COMPACT
- LC standard height, for Standard Density (SD) stacking only
- Polarity changeable, see connector data sheet

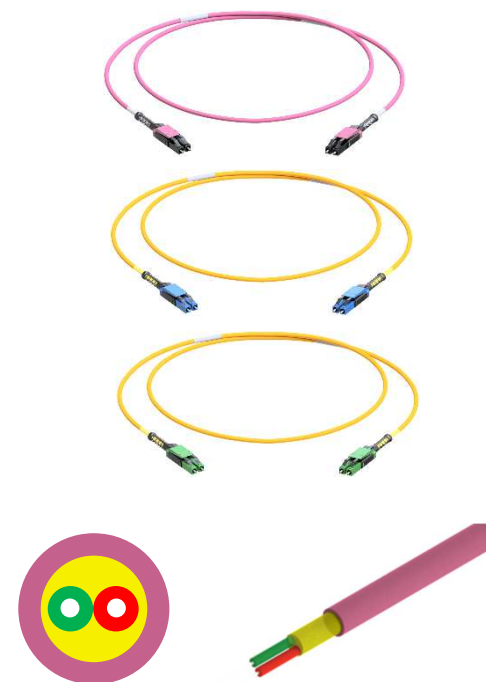


LC-COMPACT single jacket patchcords FRNC-LSZH:

Part numbers with single jacket cable I-V(ZN)H FRNC-LSZH
 Add your desired length in millimeter to the part number, e.g. 2.0 meter: 087A6623OM4-2000
 Deliverable lengths: From 30cm up to 999 meter, in 10cm increments

Cable diameter	Connectors	OM4	OS2
1.6 mm	LCC PC 0° » LCC PC 0°	on request	on request
	LCC APC 8° » LCC APC 8°	---	on request
	LCC-PPB PC 0° » LCC-PPB PC 0°	087A6949OM4	087A6948G657A1
	LCC-PPB APC 8° » LCC-PPB APC 8°	---	087A6950G657A1
	LCC-PPT PC 0° » LCC-PPT PC 0°	on request	on request
	LCC-PPT APC 8° » LCC-PPT APC 8°	---	on request
2.0 mm	LCC PC 0° » LCC PC 0°	087A6623OM4	087A6620G657A1
	LCC APC 8° » LCC APC 8°	---	087A6622G657A1
	LCC-PPB PC 0° » LCC-PPB PC 0°	087A6737OM4	087A6738G657A1
	LCC-PPB PC 0° » LCC PC 0°	087A6748OM4	087A6951G657A1
	LCC-PPB APC 8° » LCC-PPB APC 8°	---	087A6747G657A1
	LCC-PPB APC 8° » LCC PC 0°	---	087A6752G657A1
	LCC-PPT PC 0° » LCC-PPT PC 0°	087A6809OM4	087A6807G657A1
	LCC-PPT APC 8° » LCC-PPT APC 8°	---	087A6808G657A1
2.8 mm	LCC PC 0° » LCC PC 0°	087A6601OM4	087A6600G657A1
	LCC APC 8° » LCC APC 8°	---	087A6609G657A1
	LCC-PPT PC 0° » LCC-PPT PC 0°	087A6756OM4	087A6757G657A1
	LCC-PPT APC 8° » LCC-PPT APC 8°	---	087A6758G657A1

Technical data of connectors, fibers and cables on request via the product profile of your selected patchcords.

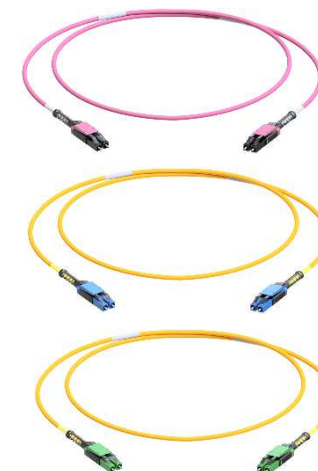
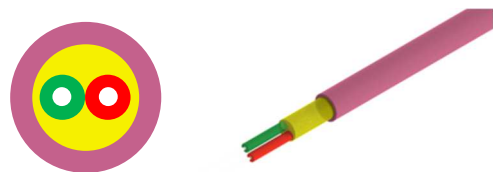


Technical data single jacket cable I-V(ZN)H FRNC-LSZH

Cable diameter	Kink resistance loop diameter	Max. tensile force short term [N]	Max. crush resistance short term [N/dm]	Weight [kg/km]	Fire load [MJ/m]
1.6 mm	7.8 mm	200	150	2.9	0.07
2.0 mm	8.4 mm	300	150	4	0.11
2.8 mm	18.6 mm	300	150	7	0.20

More technical data of the cables on request.

LC-COMPACT single jacket patchcords OFNP (Plenum):



Part numbers with single jacket cable OFNP (Plenum)				
Add your desired length in millimeter to the part number, e.g. 2.0 meter: 087A6623OM4-2000				
Deliverable lengths: From 30cm up to 999 meter, in 10cm increments				
Cable diameter	Connectors	OM4 violet	OM4 aqua	OS2
1.6 mm	LCC PC 0° » LCC PC 0°	on request	on request	on request
	LCC APC 8° » LCC APC 8°	---	---	on request
	LCC-PPB PC 0° » LCC-PPB PC 0°	on request	on request	on request
	LCC-PPB APC 8° » LCC-PPB APC 8°	---	---	on request
	LCC-PPT PC 0° » LCC-PPT PC 0°	on request	on request	on request
	LCC-PPT APC 8° » LCC-PPT APC 8°	---	---	on request
2.1 mm	LCC PC 0° » LCC PC 0°	087A6657OM4	087A6912OM4	087A6910G657A1
	LCC APC 8° » LCC APC 8°	---	---	087A6911G657A1
	LCC-PPB PC 0° » LCC-PPB PC 0°	087A6947OM4	087A6946OM4	087A6944G657A1
	LCC-PPB APC 8° » LCC-PPB APC 8°	---	---	087A6945G657A1
	LCC-PPT PC 0° » LCC-PPT PC 0°	on request	on request	on request
	LCC-PPT APC 8° » LCC-PPT APC 8°	---	---	on request
2.9 mm	LCC PC 0° » LCC PC 0°	on request	087A6915OM4	087A6913G657A1
	LCC APC 8° » LCC APC 8°	---	---	087A6914G657A1
	LCC-PPT PC 0° » LCC-PPT PC 0°	on request	---	on request
	LCC-PPT APC 8° » LCC-PPT APC 8°	---	---	on request

Technical data of connectors, fibers and cables on request via the product profile of your selected patchcords.

Technical data single jacket cable OFNP (Plenum)				
Cable diameter	Kink resistance loop diameter	Max. tensile force short term [N]	Max. crush resistance short term [N/dm]	Weight [lbs/Kft]
1.6 mm	7.8 mm	220	3.5	1.790
2.1 mm	8.6 mm	220	3.5	3.096
2.9 mm	18.8 mm	220	3.5	4.795

More technical data of the cables on request.

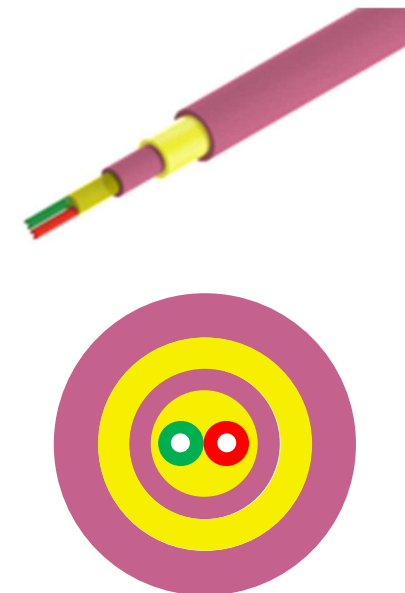
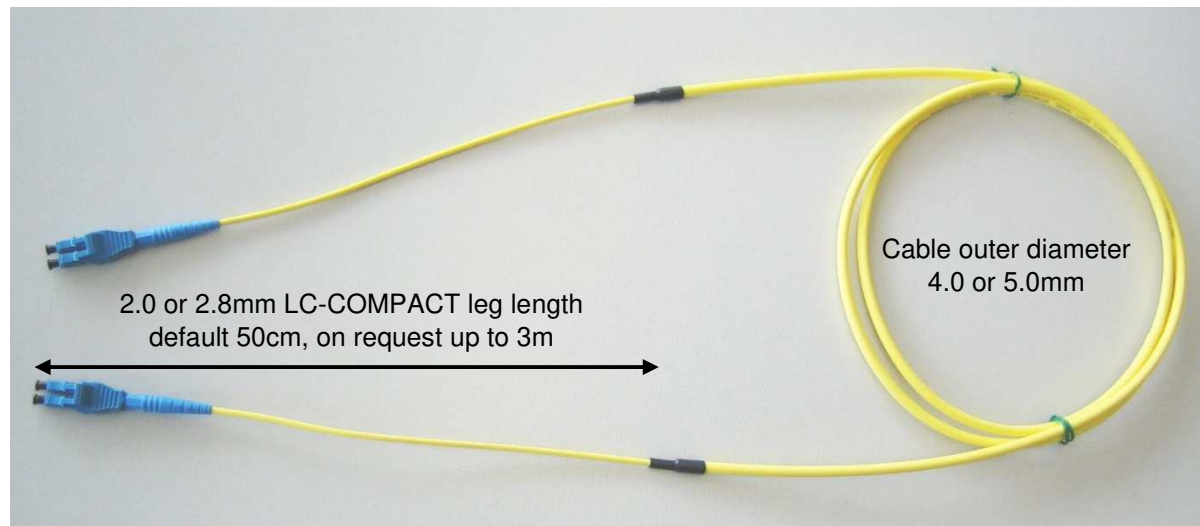
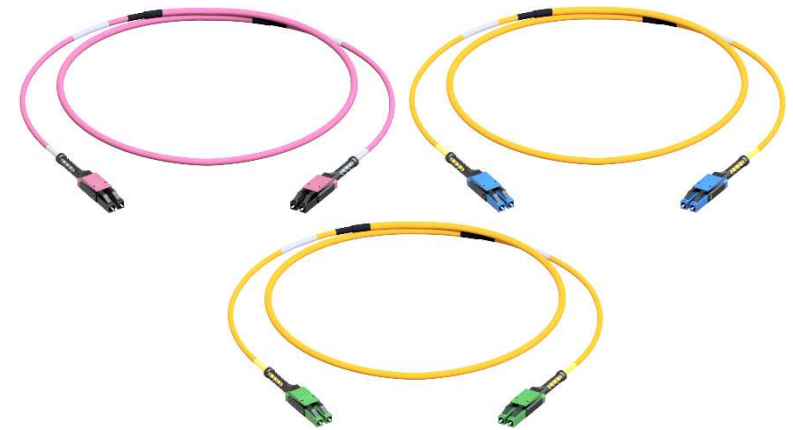
LC-COMPACT double jacket patchcords FRNC-LSZH:

Perfect for „top-of-the-rack“ and raised-floor cabling within data centers !

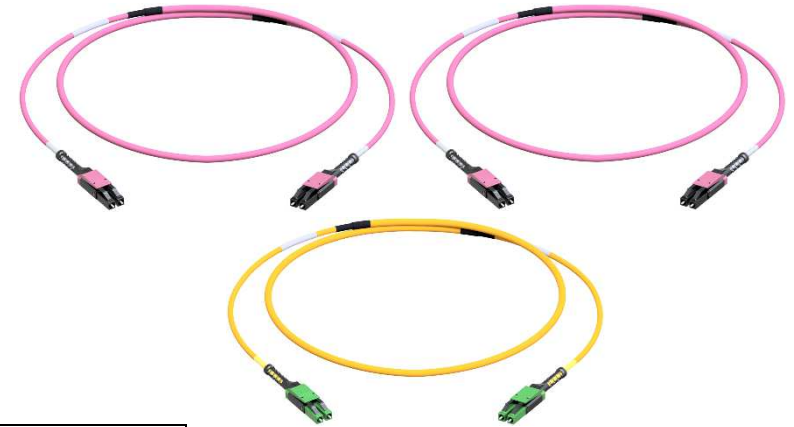
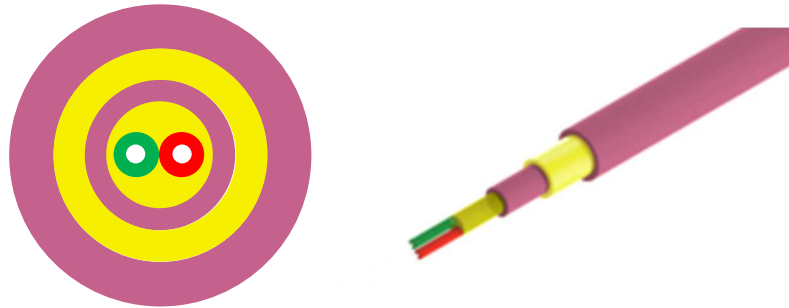
Mechanical requirements of „top-of-the-rack“ and raised-floor cabling on patchcords are much higher than within racks. Therefore we offer rugged LC-COMPACT patchcords with 2 fiber round cables with double jacket, with increased kink, crush and tensile resistance.

Advantages of double jacket cables:

- Increased kink, crush and tensile resistance of the 4.0 or 5.0mm double jackets in the „top-of-the-rack“ and raised-floor environment
- Low cable volume and good bending behaviour of the 2.0 or 2.8mm thin LC-COMPACT legs within the patchfield area



LC-COMPACT double jacket patchcords FRNC-LSZH:



Part numbers with double jacket cable I-V(ZN)H(ZN)H FRNC-LSZH
 Add your desired length in millimeter to the part number, e.g. 2.0 meter: 087A6623OM4-2000
 Deliverable lengths: From 2 up to 999 meter, in 10cm increments

Cable diameter	Connectors	OM4	OS2
2.0 / 4.0 mm	LCC PC 0° » LCC PC 0°	087A6962OM4	087A6956G657A1
	LCC APC 8° » LCC APC 8°	---	087A6957G657A1
	LCC-PPB PC 0° » LCC-PPB PC 0°	087A6963OM4	087A6958G657A1
	LCC-PPB APC 8° » LCC-PPB APC 8°	---	087A6959G657A1
	LCC-PPT PC 0° » LCC-PPT PC 0°	087A6964OM4	087A6960G657A1
	LCC-PPT APC 8° » LCC-PPT APC 8°	---	087A6961G657A1
2.8 / 5.0 mm	LCC PC 0° » LCC PC 0°	087A6613OM4	087A6610G657A1
	LCC APC 8° » LCC APC 8°	---	087A6612G657A1
	LCC-PPT PC 0° » LCC-PPT PC 0°	087A6762OM4	087A6763G657A1
	LCC-PPT APC 8° » LCC-PPT APC 8°	---	087A6764G657A1

Technical data of connectors, fibers and cables on request via the product profile of your selected patchcords.

*LC-COMPACT
 double jacket patchcords
 OFNP (Plenum)
 on request*

Technical data double jacket cable I-V(ZN)H(ZN)H FRNC-LSZH

Cable diameter	Kink resistance loop diameter	Max. tensile force short term [N]	Max. crush resistance short term [N/dm]	Weight [kg/km]	Fire load [MJ/m]
2.0 / 4.0 mm	< 24.5mm tbt	600	300	2.9	0.07
2.8 / 5.0 mm	24.5 mm	600	300	4	0.11

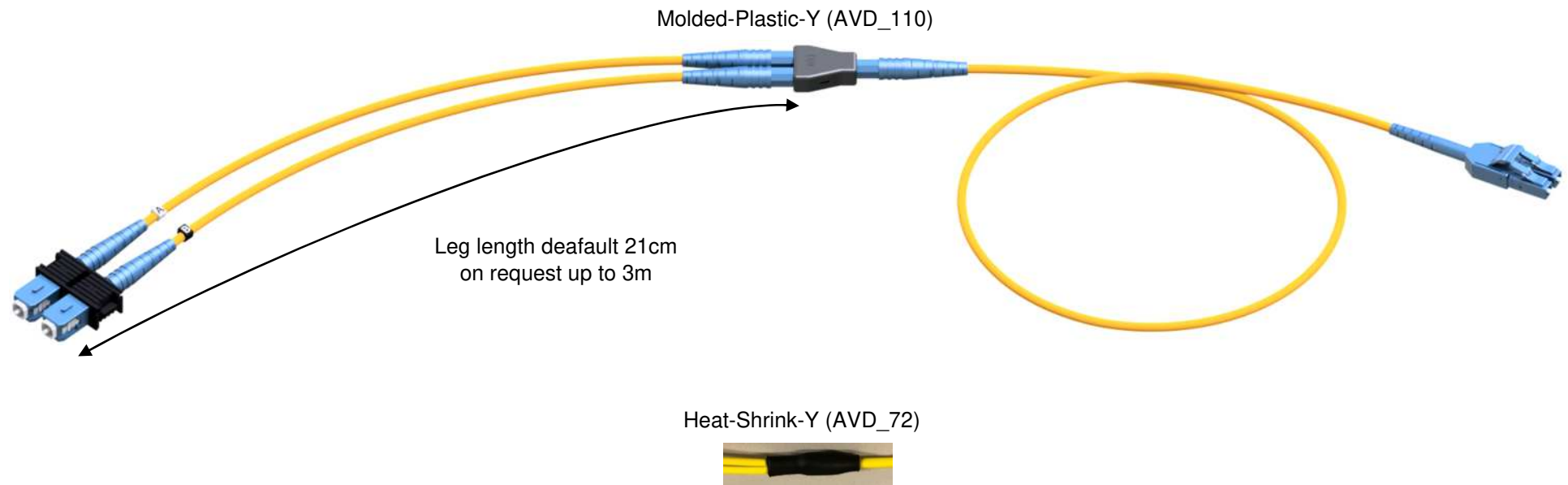
More technical data of the cables on request.

Y-Divider:

Y-Divider to assemble conventional simplex and duplex connectors like SC and E2000® at 2 fiber round cables.

2 models deliverable: Molded-Plastic-Y, Heat-Shrink-Y

Part numbers on request, patchcord shown below with Molded-Plastic-Y 087A6617G657A1.



About Rosenberger OSI:

Since 1991, Rosenberger Optical Solutions & Infrastructure (Rosenberger OSI) has been a recognized expert for fiber-based connectivity, cabling solutions and infrastructure services in the areas of data centers, local area networks, mobile networks and industrial applications. As an integrated solution provider, we have high expertise in the development and operational excellence in the production of system solutions for communication networks. Our comprehensive services enable the secure and efficient operation of digital infrastructures. This combination, combined with our strong customer focus, makes us unique and a strong partner in the global market.

Rosenberger OSI has been part of the globally operating Rosenberger Group since 1998. The Rosenberger Group is a leading global provider of high-frequency, high-voltage and fiber optic connectivity solutions with headquarters in Germany. For further information, please visit:

www.rosenberger.com/osi

Rosenberger

Rosenberger-OSI GmbH & Co. OHG

Optical Solutions & Infrastructure | Endorferstr. 6 | 86167 Augsburg | Telefon: +49 821 24924-0
info-osi@rosenberger.com | www.rosenberger.com/osi

Rosenberger® is a registered trademark of Rosenberger Hochfrequenztechnik GmbH & Co. KG. All rights reserved. © Rosenberger 2024

For technical reasons, we reserve us the right to make any deviations from the illustrations in the product information.
Transfer to third party only by authority of Rosenberger-OSI GmbH & Co. OHG- All rights reserve.

Creation date: 2011-02-02
Valid since: 2024-04-22
Revision: 007