

# Fiber optic Components

Product Catalog 2018





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- Enjoy more success thanks to customized solutions and a long-term partnership
- 100% production monitoring, personalized training sessions and R&M certifications of assembled end products guarantee the highest quality standards
- R&M offer to test and assess the quality of your assembling process. The broad test report comprise valuable information and hints for improvement



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# FO Connectors

for industrial manufacturing

## Features

### **Security**

100% production monitoring

### **Stability**

Certification of your processes

### **Service**

Exchange of expertise





	Description	Date/value
 <p>090.7447</p>	<p><b>E-2000™ Simplex</b></p> <p>Applications: WAN, LAN, CATV, metrology, railway, industry</p> <p>Standardisation: EN-186-270 and IEC 61754-15</p> <p>Fiber types: E9/125, G50/125, G62.5/125</p> <p>Ferrule polish geometry: APC 8° (SM) and PC (SM / MM) versions</p> <p>Features: Full ceramic ferrule, locking type latched push-pull, spring-loaded shutters and protective cap, ferrule protected, long connector guide, full laser protection.</p> <p>Color coding: green, blue, magenta, turquoise, orange, red, brown, yellow, violet, white, black</p> <p>Mechanical coding: red, brown, yellow, orange, violet, white</p>	
 <p>090.7450 / 090.6746</p>	<p><b>E-2000™-Compact (Small Form Factor [SFF])</b></p> <p>Applications: LAN (Fiber-to-the-desk solutions), industry</p> <p>Standardisation: IEC 61754-15</p> <p>Fiber types: E9/125, G50/125, G62.5/125</p> <p>Ferrule polish geometry: APC 8° (SM) and PC (SM / MM) versions</p> <p>Features: High packing density, worldwide smallest E-2000™ in conformance with IEC 61754-15. RJ45 design.</p> <p>Color coding: green, blue, magenta, turquoise, orange, red, white, black</p> <p>Mechanical coding: red, brown, yellow, orange, violet, white</p>	
 <p>090.7332 / 090.6512</p>	<p><b>LC Simplex / LC-Duplex</b></p> <p>Applications: LAN, WAN, FTTH, DC</p> <p>Standardisation: IEC 61754-20</p> <p>Fiber types: E9/125, G50/125, G62.5/125</p> <p>Ferrule polish geometry: APC 8° (SM) and PC (SM / MM) versions</p> <p>Features: High packing density, two plugs in dimension of SC, laser shutter integrated.</p> <p>Color coding: LC Simplex: green, blue, turquoise, orange, beige, violet LC-Duplex: green, blue, turquoise, orange, beige, red, yellow, violet, black</p> <p>Mechanical coding: LC-Duplex: red, brown, yellow, violet, white, black</p>	
 <p>090.7705 / 090.2360</p>	<p><b>SC Simplex / SC-Duplex</b></p> <p>Applications: WAN, LAN, industry</p> <p>Standardisation: IEC 61754-4</p> <p>Fiber types: E9/125, G50/125, G62.5/125</p> <p>Ferrule polish geometry: APC 8°+9° (SM) and PC (SM / MM) versions</p> <p>Features: Full ceramic ferrule, locking type push-pull.</p>	
 <p>090.2727 / 090.5604</p>	<p><b>SC-RJ (Small Form Factor [SFF])</b></p> <p>Applications: WAN, LAN (Fiber-to-the-desk solutions)</p> <p>Standardisation: IEC 61754-24</p> <p>Fiber types: E9/125, G50/125, G62.5/125</p> <p>Ferrule polish geometry: APC 8°+9° (SM) and PC (SM / MM) versions</p> <p>Features: High packing density, worldwide smallest SC-Duplex in conformance with IEC 61754-4. RJ45 design backwards compatible with SC Simplex.</p> <p>Color coding: green, blue, turquoise, orange, red, yellow, violet, anthracite</p> <p>Mechanical coding: red, brown, yellow, violet, white, black</p>	








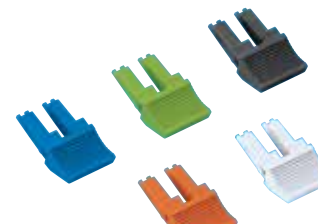

## Connector E-2000™


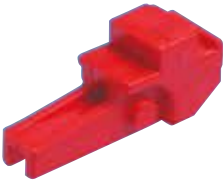




### Features





- The connector housing fully protects the ferrule against dust, dirt and scratches
- Spring-loaded metal shutter
- No different expansion coefficients thanks to full ceramic ferrule
- Color- and mechanical coding system
- Injection-molded PBT housing, UL-listed
- Same ferrule holder as for SC





Ordering Information	Description	PU	Part Number
 090.2050	<b>Connector E-2000™</b> Supplied: <ul style="list-style-type: none"> <li>• Connector housing with silver metal shutter</li> <li>• Ferrule holder including ferrule</li> </ul>		
	<b>APC, SM, green, 125.2 (+0.5/-0) μm, 0.5 μm con</b>	100	R828638
	<b>APC, SM, red, 125.2 (+0.5/-0) μm, 0.5 μm con</b>	100	R837061
	<b>APC, SM, green, 126.0 (+1/-0) μm</b>	100	R510776
	<b>PC, SM, blue, 125.2 (+0.5/-0) μm, 0.5 μm con</b>	100	R828639
	<b>PC, SM, blue 126.0 (+1/0) 1.0 μm con</b>	100	R840218
	<b>PC, MM, beige 126.0 (+1/0) 1.0 μm con</b>	100	R840219
	<b>PC, MM, beige, 127.0 (+4/-0) μm</b>	100	R322829
	<b>PC, MM, black, 127.0 (+4/-0) μm</b>	100	R314618
	 090.7038	<b>Connector housing E-2000™</b> Supplied: <ul style="list-style-type: none"> <li>• Connector housing with silver metal shutter</li> </ul>	
<b>green housing</b>		100	R316230
<b>blue housing</b>		100	R315272
<b>beige housing</b>		100	R510828
<b>black housing</b>		100	R510829
 090.2960	<b>Service Adapter E-2000™</b> Simplifies the cleaning of the E-2000™ connector. Plugging the adapter in automatically opens the laser dust cover, releasing the ferrule.	5	R316625

Ordering Information	Description	PU	Part Number
 <p data-bbox="134 533 204 551">010.2078</p>	<p data-bbox="563 293 831 315"><b>Lever E-2000™ Connector,</b></p> <p data-bbox="563 327 922 349">Color coding for E-2000™ connector.</p> <p data-bbox="563 360 850 383">Lever not mechanically coded.</p>	<p data-bbox="1214 416 1246 439">50</p> <p data-bbox="1214 450 1246 472">50</p> <p data-bbox="1214 483 1246 506">50</p> <p data-bbox="1214 517 1246 539">50</p> <p data-bbox="1214 551 1246 573">50</p> <p data-bbox="1214 584 1246 607">50</p>	<p data-bbox="1366 416 1465 439">R307018</p> <p data-bbox="1366 450 1465 472">R307017</p> <p data-bbox="1366 483 1465 506">R840233</p> <p data-bbox="1366 517 1465 539">R840234</p> <p data-bbox="1366 551 1465 573">R840235</p> <p data-bbox="1366 584 1465 607">R309210</p>
<p data-bbox="563 640 635 663"><b>green</b></p> <p data-bbox="563 674 608 696"><b>blue</b></p> <p data-bbox="563 707 632 730"><b>yellow</b></p> <p data-bbox="563 741 652 763"><b>magenta</b></p> <p data-bbox="563 775 660 797"><b>turquoise</b></p> <p data-bbox="563 808 619 831"><b>black</b></p>	<p data-bbox="563 640 635 663"><b>orange</b></p> <p data-bbox="563 674 596 696"><b>red</b></p> <p data-bbox="563 707 632 730"><b>brown</b></p> <p data-bbox="563 741 624 763"><b>violet</b></p> <p data-bbox="563 775 624 797"><b>white</b></p>	<p data-bbox="1214 640 1246 663">12</p> <p data-bbox="1214 674 1246 696">12</p> <p data-bbox="1214 707 1246 730">12</p> <p data-bbox="1214 741 1246 763">12</p> <p data-bbox="1214 775 1246 797">12</p>	<p data-bbox="1366 640 1465 663">R304407</p> <p data-bbox="1366 674 1465 696">R304408</p> <p data-bbox="1366 707 1465 730">R304405</p> <p data-bbox="1366 741 1465 763">R308035</p> <p data-bbox="1366 775 1465 797">R304403</p>
 <p data-bbox="134 1122 204 1140">010.2315</p>	<p data-bbox="563 864 831 887"><b>Lever E-2000™ Connector,</b></p> <p data-bbox="563 898 922 920">Color coding for E-2000™ connector.</p> <p data-bbox="563 931 810 954">Lever mechanically coded.</p>	<p data-bbox="1214 987 1246 1010">12</p> <p data-bbox="1214 1021 1246 1043">12</p> <p data-bbox="1214 1055 1246 1077">12</p> <p data-bbox="1214 1088 1246 1111">12</p> <p data-bbox="1214 1122 1246 1144">12</p> <p data-bbox="1214 1155 1246 1178">12</p>	<p data-bbox="1366 987 1465 1010">R306648</p> <p data-bbox="1366 1021 1465 1043">R306651</p> <p data-bbox="1366 1055 1465 1077">R306650</p> <p data-bbox="1366 1088 1465 1111">R306649</p> <p data-bbox="1366 1122 1465 1144">R306647</p> <p data-bbox="1366 1155 1465 1178">R306646</p>
 <p data-bbox="134 1503 204 1520">010.2194</p>	<p data-bbox="563 1245 935 1267"><b>Lever E-2000™-Compact Connector,</b></p> <p data-bbox="563 1279 1018 1301">Color coding for E-2000™-Compact connector.</p> <p data-bbox="563 1312 850 1335">Lever not mechanically coded.</p>	<p data-bbox="1214 1368 1246 1391">12</p> <p data-bbox="1214 1402 1246 1424">12</p> <p data-bbox="1214 1435 1246 1458">12</p> <p data-bbox="1214 1469 1246 1491">12</p> <p data-bbox="1214 1503 1246 1525">12</p> <p data-bbox="1214 1536 1246 1559">12</p> <p data-bbox="1214 1570 1246 1592">12</p> <p data-bbox="1214 1603 1246 1626">12</p>	<p data-bbox="1366 1368 1465 1391">R305514</p> <p data-bbox="1366 1402 1465 1424">R305513</p> <p data-bbox="1366 1435 1465 1458">R809767</p> <p data-bbox="1366 1469 1465 1491">R309004</p> <p data-bbox="1366 1503 1465 1525">R305515</p> <p data-bbox="1366 1536 1465 1559">R314752</p> <p data-bbox="1366 1570 1465 1592">R305518</p> <p data-bbox="1366 1603 1465 1626">R305517</p>
 <p data-bbox="134 1917 204 1935">090.6689</p>	<p data-bbox="563 1693 935 1715"><b>Lever E-2000™-Compact Connector,</b></p> <p data-bbox="563 1727 1018 1749">Color coding for E-2000™-Compact connector.</p> <p data-bbox="563 1760 810 1783">Lever mechanically coded.</p>	<p data-bbox="1214 1816 1246 1839">12</p> <p data-bbox="1214 1850 1246 1872">12</p> <p data-bbox="1214 1883 1246 1906">12</p> <p data-bbox="1214 1917 1246 1939">12</p> <p data-bbox="1214 1951 1246 1973">12</p> <p data-bbox="1214 1984 1246 2007">12</p>	<p data-bbox="1366 1816 1465 1839">R807346</p> <p data-bbox="1366 1850 1465 1872">R807347</p> <p data-bbox="1366 1883 1465 1906">R807348</p> <p data-bbox="1366 1917 1465 1939">R807349</p> <p data-bbox="1366 1951 1465 1973">R807350</p> <p data-bbox="1366 1984 1465 2007">R807351</p>
<p data-bbox="563 1816 675 1839"><b>code 1, red</b></p> <p data-bbox="563 1850 707 1872"><b>code 2, brown</b></p> <p data-bbox="563 1883 707 1906"><b>code 3, yellow</b></p> <p data-bbox="563 1917 711 1939"><b>code 4, orange</b></p> <p data-bbox="563 1951 699 1973"><b>code 5, violet</b></p> <p data-bbox="563 1984 699 2007"><b>code 6, white</b></p>			

Ordering Information	Description	PU	Part Number
 <p>090.6688</p>	<p><b>Duplex Clip, connector E-2000™</b>            This clip makes duplex applications possible.            Color: black.</p>	12	R305542
 <p>090.2392</p>	<p><b>Patch Guard E-2000™ / E-2000™-Compact Connector</b>            Patch Guard for E-2000™ and E-2000™-Compact connectors.</p>	12	R314389
 <p>090.2393</p>	<p><b>Key Patch Guard E-2000™ Connector</b>            Key to Patch Guard for E-2000™ connectors.</p>	1	R314390
 <p>090.2394</p>	<p><b>Key Patch Guard E-2000™-Compact Connector</b>            Key to Patch Guard for E-2000™-Compact connectors.</p>	1	R314391
 <p>090.3117</p>	<p><b>Boot 90° R30</b>            With the subsequent mountable 90° boot existing or new networks can be updated. The 90° boot guaranties an optimized fiber guidance (R&gt;30 mm), even by load caused by the cable. An uncontrolled fiber bending and resulting attenuation or even broken fiber can be avoided in no time.</p>	12	R505756
<p> For connectors IP20: all types E-2000™, LC and SC.</p>			

Ordering Information	Description	PU	Part Number
 <p>090.6518</p>	<p><b>Crimp Set E-2000™ / SC, 0.9 mm tube, short,</b> Colored connector boot, short version, 13.5 mm length. For tubes from Ø 0.6 - 1.2 mm. Material boot: TPE, self extinguishing, free of halogen.</p>	<p>100 100 100 100</p>	<p>R810593 R810594 R521640 R810595</p>
 <p>090.6036</p>	<p><b>Crimp Set E-2000™ / SC, 0.9 mm tube,</b> Colored connector boot. For tubes from Ø 0.6 - 1.2 mm. Material boot: TPE, self extinguishing, free of halogen.</p>	<p>100 100 100 100 100 100 100 100 100 100 100 100</p>	<p>R504126 R504441 R504066 R504383 R504425 R504444 R504448 R504453 R504456 R503133 R504071 R502985 R504063</p>
 <p>090.7151</p>	<p><b>Crimp Set all Types E-2000™ / LC / SC, 1.7 mm cable,</b> Crimp sleeve and colored connector boot. For cables from Ø 1.4 - 1.7 mm. Material sleeve: aluminum. Material boot: TPE, self extinguishing, free of halogen.</p>	<p>100 100 100 100</p>	<p>R812801 R812802 R812804 R812803</p>
 <p>090.7151</p>	<p><b>Crimp Set all Types E-2000™ / LC / SC, 2.2 mm cable,</b> Crimp sleeve and colored connector boot. For cables from Ø 1.8 - 2.2 mm. Material sleeve: aluminum. Material boot: TPE, self extinguishing, free of halogen.</p>	<p>100 100 100 100 100 100 100 100</p>	<p>R812805 R812806 R812808 R812807 R821290 R821291 R821292 R821293 R821294</p>

Ordering Information	Description	PU	Part Number
 <p data-bbox="113 526 183 548">090.7151</p>	<p data-bbox="539 293 1082 324"><b>Crimp Set all Types E-2000™ / LC / SC, 2.6 mm cable,</b></p> <p data-bbox="539 327 1094 385">Crimp sleeve and colored connector boot. For cables from Ø 2.3 - 2.6 mm.</p> <p data-bbox="539 387 794 418">Material sleeve: aluminum.</p> <p data-bbox="539 421 1054 452">Material boot: TPE, self extinguishing, free of halogen.</p>		
	<p data-bbox="539 481 598 512"><b>green</b></p>	100	R812809
	<p data-bbox="539 526 598 557"><b>blue</b></p>	100	R812810
	<p data-bbox="539 571 598 602"><b>red</b></p>	100	R813159
	<p data-bbox="539 616 598 647"><b>black</b></p>	100	R813158
 <p data-bbox="113 896 183 918">090.7151</p>	<p data-bbox="539 672 1082 703"><b>Crimp Set all Types E-2000™ / LC / SC, 3.0 mm cable,</b></p> <p data-bbox="539 705 1094 763">Crimp sleeve and colored connector boot. For cables from Ø 2.7 - 3.0 mm.</p> <p data-bbox="539 766 794 797">Material sleeve: aluminum.</p> <p data-bbox="539 799 1054 831">Material boot: TPE, self extinguishing, free of halogen.</p>		
	<p data-bbox="539 862 598 893"><b>green</b></p>	100	R813160
	<p data-bbox="539 907 598 938"><b>blue</b></p>	100	R813161
	<p data-bbox="539 952 598 983"><b>red</b></p>	100	R813163
	<p data-bbox="539 996 598 1028"><b>black</b></p>	100	R813162



# Adapter E-2000™






## Features

- Injection-molded PBT housing, UL-listed
- Integral self-closing metal laser protection flaps
- Long guiding section of connector body
- Split ceramic sleeve
- 1000 mating cycles
- Semi-transparent plastic dust cover, allowing optical testing with test lasers without removing the cover



Ceramic = zirconia ceramic alignment sleeve

Ordering Information	Description	PU	Part Number
 <p>090.74478</p>	<p><b>Adapter E-2000™ (screwable)</b>            Adapter E-2000™ with semi-transparent dust caps.            Quick mounting clip and M2 thread integrated.            Supplied:</p> <ul style="list-style-type: none"> <li>• Adapter E-2000™</li> <li>• 2 Philips head screws M2 x 8, blue galvanized</li> </ul>		
	<b>APC, green, ceramic SM, B</b>	12	R823253
	<b>APC, red, ceramic SM, B</b>	12	R840222
	<b>PC, blue, ceramic SM, B</b>	12	R823254
	<b>APC, green, ceramic, SM, C</b>	12	R823894
	<b>PC, blue, ceramic, SM, C</b>	12	R823895
	<b>PC, heather violet, ceramic MM, M</b>	12	R823865
	<b>PC, turquoise, ceramic MM, M</b>	12	R823866
	<b>PC, beige, ceramic MM, M</b>	12	R823255
	<b>PC, black, ceramic MM, M</b>	12	R823256
 <p>090.7447</p>	<p><b>Adapter E-2000™ (flangeless)</b>            Adapter E-2000™ flangeless with semi-transparent dust caps.            Quick mounting clip integrated.            Optimal front plate whickness: 1.3 mm / 1.7 mm</p>		
	<b>APC, green, ceramic SM, B</b>	12	R823249
	<b>PC, blue, ceramic SM, B</b>	12	R823250
	<b>APC, green, ceramic, SM, C</b>	12	R823892
	<b>PC, blue, ceramic, SM, C</b>	12	R823893
	<b>PC, heather violet, ceramic MM, M</b>	12	R823864
	<b>PC, turquoise, ceramic MM, M</b>	12	R823863
	<b>PC, beige, ceramic MM, M</b>	12	R823251
<b>PC, black, ceramic MM, M</b>	12	R823252	

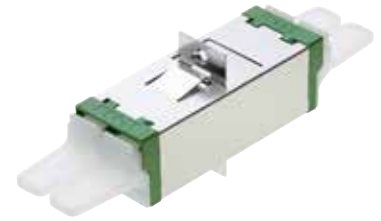
Ordering Information	Description	PU	Part Number
 <p>090.7512</p>	<p><b>Frame E-2000™ Adapter,</b> Color coding for E-2000™ adapter. Frame not mechanically coded.</p> <p><b>green</b> 1 R823208  <b>blue</b> 1 R823209  <b>beige</b> 1 R823210  <b>magenta</b> 1 R823211  <b>turquoise</b> 1 R823212  <b>orange</b> 1 R823213  <b>red</b> 1 R823214  <b>brown</b> 1 R823215  <b>yellow</b> 1 R823216  <b>violet</b> 1 R823217  <b>white</b> 1 R823218  <b>black</b> 1 R823219</p>		
 <p>090.7511</p>	<p><b>Frame E-2000™ Adapter,</b> Color coding for E-2000™ adapter. Frame mechanically coded.</p> <p><b>code 1, red</b> 12 R823220  <b>code 2, brown</b> 12 R823221  <b>code 3, yellow</b> 12 R823222  <b>code 4, orange</b> 12 R823223  <b>code 5, violet</b> 12 R823224  <b>code 6, white</b> 12 R823225</p>		
 <p>030.0308</p>	<p><b>Dummy Plug E-2000™ / SC / LCduz (13x9 mm)</b> 12 R30004-20  For E-2000™, SC and LC-Duplex mounting holes.  Dimensions cutout: 13 x 9 mm  Front panel wall thickness: 1.5 mm</p>		
 <p>010.2380</p>	<p><b>45° Clip for Adapter E-2000™ LC/SC</b> 50 R815789  For flangeless adapter versions</p>		
 <p>090.2929</p>	<p><b>Universal Adapter, empty, SC/E-2000™/LC-Duplex</b> 1 R318742  Universal adapter without adapters.</p>		



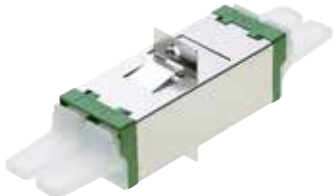


# Adapter E-2000™ Compact





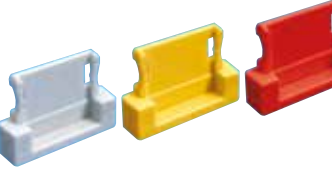
## Features

- Metal housing
- Integral self-closing metal laser protection flaps
- Long guiding section of connector body
- Split ceramic sleeve
- 1000 mating cycles (zirconia ceramic alignment sleeve)
- Semi-transparent plastic dust cover, allowing optical testing with test lasers without removing the cover
- UL-listed



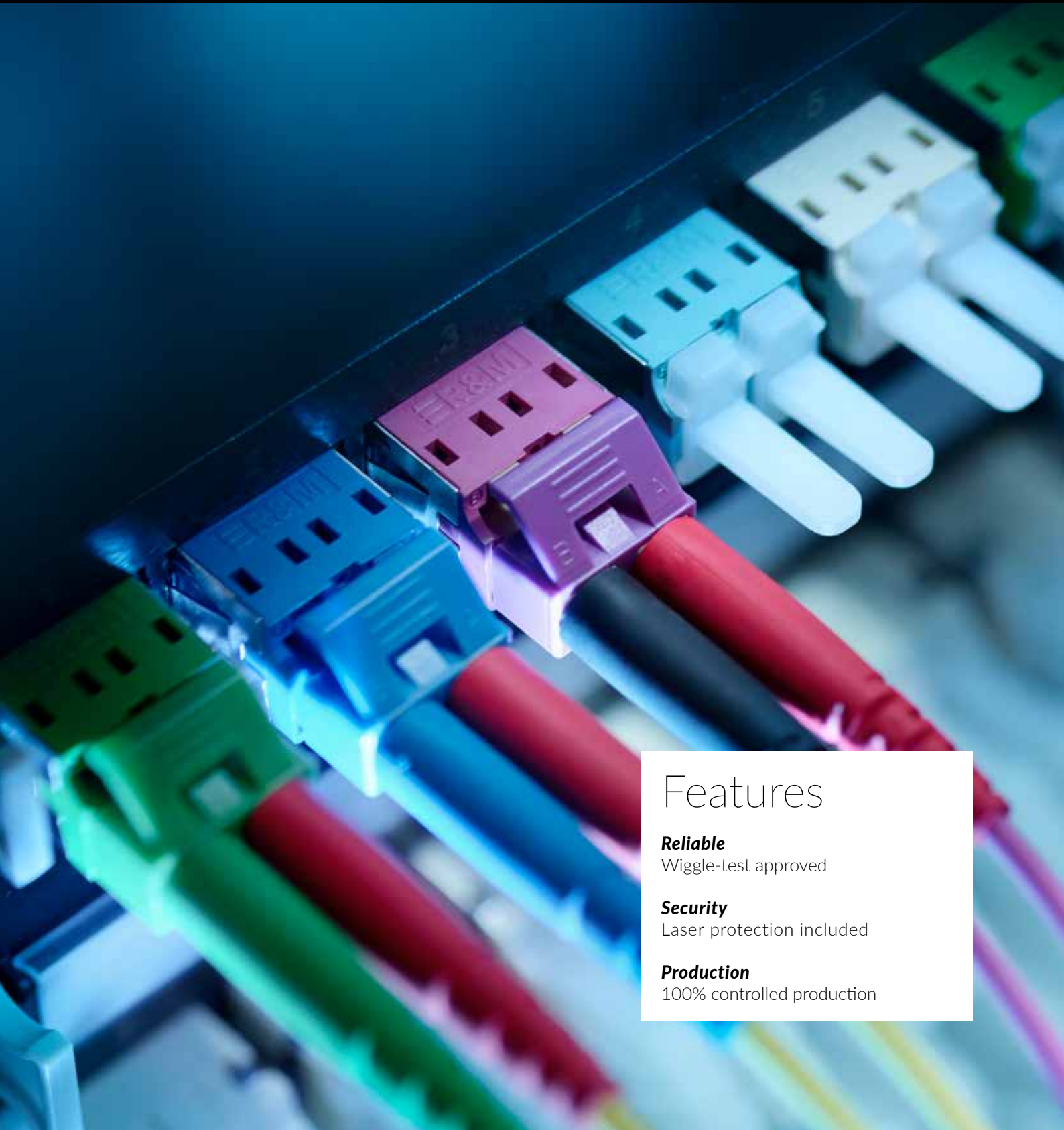
Ceramic = zirconia ceramic alignment sleeve

Ordering Information	Description	PU	Part Number
 <p>090.7450</p>	<p><b>Adapter E-2000™-Compact (screwable)</b>                      Adapter E-2000™-Compact with semi-transparent dust caps. Quick mounting clip and M2 thread integrated.                      Supplied:</p> <ul style="list-style-type: none"> <li>• Adapter E-2000™-Compact</li> <li>• 2 Philips head screws M2 x 4, blue galvanized</li> </ul>		
	<p><b>APC, green, ceramic SM, B</b></p>	12	R823261
	<p><b>PC, blue, ceramic SM, B</b></p>	12	R823262
	<p><b>APC, green, ceramic, SM, C</b></p>	12	R823898
	<p><b>PC, blue, ceramic, SM, C</b></p>	12	R823899
	<p><b>PC, heather violet, ceramic SM, M</b></p>	12	R823862
	<p><b>PC, turquoise, ceramic SM, M</b></p>	12	R823861
	<p><b>PC, beige, ceramic MM, M</b></p> <p><b>PC, black, ceramic MM, M</b></p>	12	R823263
12	R823264		
 <p>090.7452</p>	<p><b>Adapter E-2000™-Compact (flangeless)</b>                      Adapter E-2000™-Compact flangeless with semi-transparent dust caps. Quick mounting clip integrated.                      Optimal front plate thickness: 1.3 mm / 1.7 mm</p>		
	<p><b>APC, green, ceramic SM, B</b></p>	12	R823257
	<p><b>PC, blue, ceramic SM, B</b></p>	12	R823258
	<p><b>APC, green, ceramic, SM, C</b></p>	12	R823896
	<p><b>PC, blue, ceramic, SM, C</b></p>	12	R823897
	<p><b>PC, heather violet, ceramic SM, M</b></p>	12	R823868
	<p><b>PC, turquoise, ceramic SM, M</b></p>	12	R823867
	<p><b>PC, beige, ceramic MM, M</b></p> <p><b>PC, black, ceramic MM, M</b></p>	12	R823259
12	R823260		
 <p>090.7526</p>	<p><b>Adapter E-2000™-Compact (one channel)</b>                      Adapter E-2000™-Compact flangeless with semi-transparent dust caps. Quick mounting clip integrated.                      Supplied:</p> <ul style="list-style-type: none"> <li>• Adapter E-2000™-Compact, Support plate</li> </ul>		
	<p><b>APC, green, ceramic SM, B</b></p>	12	R823265
	<p><b>PC, blue, ceramic SM, B</b></p>	12	R823266
	<p><b>PC, beige, ceramic, MM, M</b></p>	12	R823267
	<p><b>PC, black, ceramic, MM, M</b></p>	12	R823268
	12	R823268	
	12	R823268	
	12	R823268	

Ordering Information	Description	PU	Part Number
 <p>090.7578</p>	<p><b>Color Clip E-2000™-Compact Adapter</b> Color clip for E-2000™-Compact adapter. Clip not mechanically coded.</p> <p><b>green</b> <b>blue</b> <b>magenta</b> <b>turquoise</b> <b>orange</b> <b>red</b> <b>white</b> <b>black</b></p>	<p>12 12 12 12 12 12 12 12</p>	<p>R823226 R823227 R823228 R823229 R823230 R823232 R823233 R823234</p>
 <p>090.7579</p>	<p><b>Color Clip E-2000™-Compact Adapter,</b> Color clip for E-2000™-Compact adapter. Clip with mechanical coding.</p> <p><b>code 1, red</b> <b>code 2, brown</b> <b>code 3, yellow</b> <b>code 4, orange</b> <b>code 5, violet</b> <b>code 6, white</b></p>	<p>12 12 12 12 12 12</p>	<p>R823235 R823236 R823237 R823238 R823239 R823240</p>
 <p>090.6819</p>	<p><b>Dummy Plug E-2000™-Compact (13.1 x 14.8 mm)</b> For sheet metal cutouts of 13.1 x 14.8 mm in diameter. Front panel wall thickness: 1.5 and 2 mm. Color: black (RAL 9005).</p>	<p>100</p>	<p>R809762</p>
<p><b>i New Version E-2000™-Compact.</b></p>			
 <p>090.6692</p>	<p><b>Snap-in Frame E-2000™-Compact Adapter,</b> Snap-in frame for adapters E-2000™-Compact flangeless with semi-transparent dust caps. Supplied:</p> <ul style="list-style-type: none"> <li>• Snap-in Frame</li> <li>• Coding clip</li> </ul>	<p>10 10</p>	<p>R805807 R807345</p>
 <p>010.1713</p>	<p><b>Snap-in Coding Clip, Color coding clip for snap-in adapters and the multimedia outlet.</b></p> <p><b>anthracite</b> <b>blue</b> <b>brown</b> <b>yellow</b> <b>green</b> <b>violet</b> <b>white</b></p>	<p>10 10 10 10 10 10 10</p>	<p>R302151 R302152 R302153 R302158 R302154 R302156 R302157</p>



# LC Components



## Features

**Reliable**

Wiggle-test approved

**Security**

Laser protection included

**Production**

100% controlled production









## Connector LC






### Features

- Connector tunable in 30° steps
- Injection-molded PBT housing, UL-listed
- Locking type latched push-pull
- Ferrule rotation locked when assembled
- Ferrule with end-face of  $\varnothing$  0.6 mm and 35° dome angle.



Ordering Information	Description	PU	Part Number
 090.6521	<b>Connector LC (pigtail)</b> Supplied: <ul style="list-style-type: none"> <li>• Connector housing</li> <li>• Ferrule holder for pigtail incl. ferrule</li> <li>• White plastic dust cover</li> <li>• Two spacer sleeve per 100 connectors</li> </ul>		
	<b>APC, SM, green, 125.2 (+0.5/-0) <math>\mu</math>m, 0.5 <math>\mu</math>m con</b>	100	R828635
	<b>APC, SM, green, 126.0 (+1/-0) <math>\mu</math>m</b>	100	R804279
 090.6523	<b>Connector LC (pigtail)</b> Supplied: <ul style="list-style-type: none"> <li>• Connector housing</li> <li>• Ferrule holder for pigtail incl. ferrule</li> <li>• White plastic dust cover</li> <li>• Two spacer sleeve per 100 connectors</li> </ul>		
	<b>PC, SM, blue, 125.2 (+0.5/-0) <math>\mu</math>m, 0.5 <math>\mu</math>m con</b>	100	R828600
	<b>PC, SM, blue, 126.0 (+1/-0) <math>\mu</math>m</b>	100	R804280
	<b>PC, MM, beige, 126.0 (+1/-0) <math>\mu</math>m</b>	100	R810228
	<b>PC, MM, beige, 127.0 (+2/-0) <math>\mu</math>m</b>	100	R804281
 090.6522	<b>Connector LC (patch cable)</b> Supplied: <ul style="list-style-type: none"> <li>• Connector housing</li> <li>• Ferrule holder for patch cable incl. ferrule</li> <li>• White plastic dust cover</li> <li>• Two spacer sleeve per 100 connectors</li> </ul>		
	<b>APC, SM, green, 125.2 (+0.5/-0) <math>\mu</math>m, 0.5 <math>\mu</math>m con</b>	100	R828637
	<b>APC, SM, green, 126.0 (+1/-0) <math>\mu</math>m</b>	100	R804276

Ordering Information	Description	PU	Part Number
 <p>090.6525</p>	<p><b>Connector LC (patch cable)</b>            Supplied:</p> <ul style="list-style-type: none"> <li>• Connector housing</li> <li>• Ferrule holder for patch cable incl. ferrule</li> <li>• White plastic dust cover</li> <li>• Two spacer sleeve per 100 connectors</li> </ul>		
	<p><b>PC, SM, blue, 125.2 (+0.5/-0) µm, 0.5 µm con</b>  <b>PC, SM, blue, 126.0 (+1/-0) µm</b>  <b>MM, beige, 126.0 (+1/-0) µm</b>  <b>MM, beige, 127.0 (+2/-0) µm</b></p>	<p>100 100 100 100</p>	<p>R828636 R804277 R810229 R804278</p>
 <p>090.6520</p>	<p><b>Spacer sleeve, LC dispensing</b>            Spacer sleeve which is routed over glue-needle to ensure the optimal depth of the needle.            (Two pieces included in connector set of 100 pcs).</p>	<p>10</p>	<p>R803487</p>
 <p>090.6519</p>	<p><b>Color Clip LC Connector,</b>            Color clip for LC connector.</p>		
	<p><b>green</b>  <b>blue</b>  <b>turquoise</b>  <b>orange</b>  <b>beige</b>  <b>violet</b></p>	<p>100 100 100 100 100 100</p>	<p>R802925 R802926 R802927 R802928 R802929 R802930</p>
 <p>090.5199</p>	<p><b>Color Clip LC-Duplex Connector,</b>            Color clip for LC-Duplex connector.</p>		
	<p><b>green</b>  <b>blue</b>  <b>turquoise</b>  <b>orange</b>  <b>beige</b>  <b>red</b>  <b>yellow</b>  <b>violet</b>  <b>black</b></p>	<p>12 12 12 12 12 12 12 12 12</p>	<p>R508098 R508104 R508100 R508097 R508105 R508103 R508102 R508101 R508099</p>
 <p>090.5031</p>	<p><b>Plug Guard LC-Duplex Connector</b>            Plug Guard for LC-Duplex connector.</p>	<p>1</p>	<p>R508116</p>
 <p>090.5034</p>	<p><b>Key Plug Guard LC-Duplex Connector</b>            Key to Plug Guard for LC-Duplex connector.</p>	<p>1</p>	<p>R508117</p>

Ordering Information	Description	PU	Part Number
 <p>090.6518</p>	<p><b>Crimp Set LC, 0.9 mm tube,</b> Colored connector boot, short version, 12.3 mm length. For tubes from Ø 0.6 - 1.2 mm. Material boot: TPE, self extinguishing, free of halogen.</p> <p><b>green</b> <b>blue</b> <b>red</b> <b>black</b> <b>beige</b> <b>white</b> <b>gray</b> <b>brown</b> <b>yellow</b> <b>orange</b> <b>pink</b></p>	<p>100 100 100 100 100 100 100 100 100 100 100</p>	<p>R802932 R802933 R802936 R802931 R802934 R802935 R802937 R802938 R802939 R802940 R802941</p>
 <p>090.7151</p>	<p><b>Crimp Set all Types E-2000™ / LC / SC, 1.7 mm cable,</b> Crimp sleeve and colored connector boot. For cables from Ø 1.4 - 1.7 mm. Material sleeve: aluminum. Material boot: TPE, self extinguishing, free of halogen.</p> <p><b>green</b> <b>blue</b> <b>red</b> <b>black</b></p>	<p>100 100 100 100</p>	<p>R812801 R812802 R812804 R812803</p>
 <p>090.7151</p>	<p><b>Crimp Set all Types E-2000™ / LC / SC, 2.2 mm cable,</b> Crimp sleeve and colored connector boot. For cables from Ø 1.8 - 2.2 mm. Material sleeve: aluminum. Material boot: TPE, self extinguishing, free of halogen.</p> <p><b>green</b> <b>blue</b> <b>red</b> <b>black</b> <b>turquoise</b> <b>gray</b> <b>pink</b> <b>brown</b> <b>violet</b></p>	<p>100 100 100 100 100 100 100 100 100</p>	<p>R812805 R812806 R812808 R812807 R821290 R821291 R821292 R821293 R821294</p>
 <p>090.7151</p>	<p><b>Crimp Set all Types E-2000™ / LC / SC, 2.6 mm cable,</b> Crimp sleeve and colored connector boot. For cables from Ø 2.3 - 2.6 mm. Material sleeve: aluminum. Material boot: TPE, self extinguishing, free of halogen.</p> <p><b>green</b> <b>blue</b> <b>red</b> <b>black</b></p>	<p>100 100 100 100</p>	<p>R812809 R812810 R813159 R813158</p>
 <p>090.7151</p>	<p><b>Crimp Set all Types E-2000™ / LC / SC, 3.0 mm cable,</b> Crimp sleeve and colored connector boot. For cables from Ø 2.7 - 3.0 mm. Material sleeve: aluminum. Material boot: TPE, self extinguishing, free of halogen.</p> <p><b>green</b> <b>blue</b> <b>red</b> <b>black</b></p>	<p>100 100 100 100</p>	<p>R813160 R813161 R813163 R813162</p>





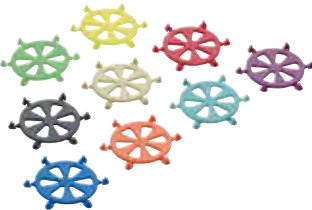
# Adapter LC-Duplex



## Features

- Compact design (SFF)
- Outstanding optical performance
- Duplex adapter fits in SC Simplex cutout
- Integral self-closing metal laser protection flaps
- Semi-transparent plastic dust cover, allowing optical testing with test lasers without removing the cover



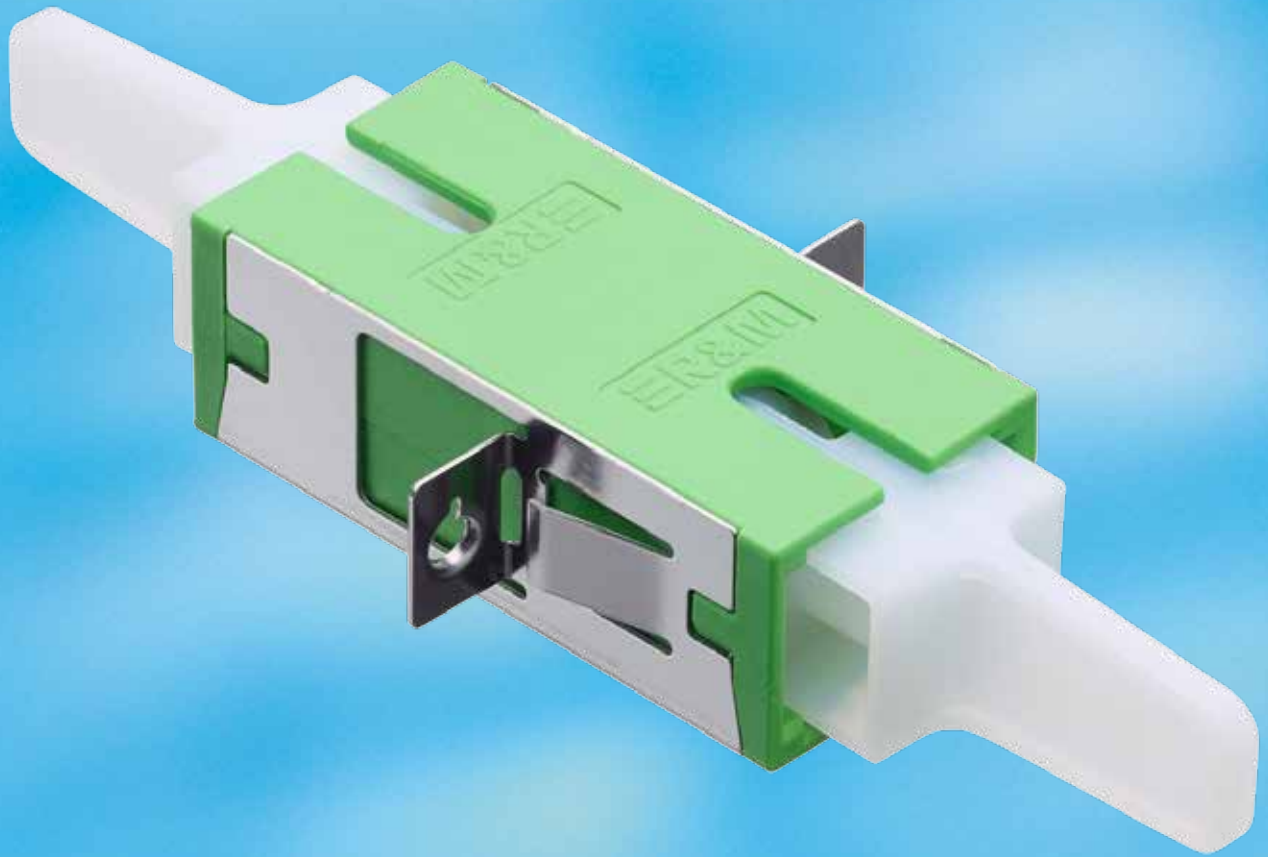
Ceramic = zirconia ceramic alignment sleeve

Ordering Information	Description	PU	Part Number
 090.7332	<p><b>Adapter LC-Duplex (screwable)</b>                      Adapter LC-Duplex with semi-transparent dust caps. Quick mounting clip and M2 thread integrated.                      Supplied:</p> <ul style="list-style-type: none"> <li>• Adapter LC-Duplex</li> <li>• 2 Philips head screws M2 x 8, blue galvanized</li> </ul>		
	<b>Adapter LC-Duplex APC, green, ceramic SM, C</b>	12	R820415
	<b>Adapter LC-Duplex PC, blue, ceramic SM, C</b>	12	R820416
	<b>Adapter LC-Duplex PC, heather violet, ceramic MM, M</b>	12	R823205
	<b>Adapter LC-Duplex PC, turquoise, ceramic MM, M</b>	12	R823203
	<b>Adapter LC-Duplex PC, beige, ceramic MM, M</b>	12	R820417
 090.7334	<p><b>Adapter LC-Duplex APC, flangeless)</b>                      LC-Duplex adapter flangeless with semi-transparent dust caps. Quick mounting clip integrated.                      Optimal frontplate thickness: 1.3 – 1.7 mm</p>		
	<b>Adapter LC-Duplex APC, green, ceramic SM, C</b>	12	R820418
	<b>Adapter LC-Duplex PC, blue, ceramic SM, C</b>	12	R820419
	<b>Adapter LC-Duplex PC, heather violet, ceramic MM, M</b>	12	R823206
	<b>Adapter LC-Duplex PC, turquoise, ceramic MM, M</b>	12	R823204
	<b>Adapter LC-Duplex PC, beige, ceramic MM, M</b>	12	R820420
 090.7478	<p><b>Color coding Clip LC-Duplex</b>                      Matching the LC-Duplex adapters. Six clips per block.</p>		
	<b>Color Coding Clip LC-Duplex Adapter, green</b>	1	R820806
	<b>Color Coding Clip LC-Duplex Adapter, blue</b>	1	R820807
	<b>Color Coding Clip LC-Duplex Adapter, ivory</b>	1	R820808
	<b>Color Coding Clip LC-Duplex Adapter, turquoise</b>	1	R820810
	<b>Color Coding Clip LC-Duplex Adapter, orange</b>	1	R820809
	<b>Color Coding Clip LC-Duplex Adapter, red</b>	1	R820812
	<b>Color Coding Clip LC-Duplex Adapter, yellow</b>	1	R820811
	<b>Color Coding Clip LC-Duplex Adapter, violet</b>	1	R820814
	<b>Color Coding Clip LC-Duplex Adapter, anthracite</b>	1	R820813

Ordering Information	Description	PU	Part Number
 <p data-bbox="92 495 165 517">090.2929</p>	<p data-bbox="539 293 1050 322"><b>Universal Adapter, empty, SC/E-2000™/LC-Duplex</b></p> <p data-bbox="539 327 879 353">Universal adapter without adapters.</p>	1	R318742
<hr/>			
 <p data-bbox="92 741 165 763">090.7863</p>	<p data-bbox="539 421 1038 450"><b>Adapter frame «special» equipped with LC Duplex</b></p> <p data-bbox="539 454 1182 544">Adapter frame «special» assembled with LC Duplex adapter fitting into selected R&amp;M Patch Panels and outlets which are designed for the mounting of RJ45 Cat. 6<sub>A</sub>, Cat. 6<sub>A</sub>EL and Cat. 6 EL modules.</p> <p data-bbox="539 548 628 577">Supplied:</p> <ul data-bbox="539 582 879 611" style="list-style-type: none"> <li>• Adapter frame special LC Duplex</li> </ul>	<p data-bbox="1193 645 1225 674">10</p> <p data-bbox="1193 678 1225 707">10</p> <p data-bbox="1193 712 1225 741">10</p> <p data-bbox="1193 745 1225 775">10</p> <p data-bbox="1193 779 1225 808">10</p>	<p data-bbox="1342 645 1437 674">R840200</p> <p data-bbox="1342 678 1437 707">R821302</p> <p data-bbox="1342 712 1437 741">R821303</p> <p data-bbox="1342 745 1437 775">R840201</p> <p data-bbox="1342 779 1437 808">R840203</p>
	<b>APC, green, ceramic SM, C</b>		
	<b>PC, blue, ceramic SM, C</b>		
	<b>PC, beige, ceramic MM, M</b>		
	<b>PC, turquoise, ceramic MM, M</b>		
	<b>PC, heather violet, ceramic MM, M</b>		



# SC Components



## Features

### **Security**

Laserprotection included

### **Performance**

High power approved up to 4,5 Watts

### **Design**

Certified by GL & UL










## Connector SC, SC-RJ



### Features

- Injection-molded PBT housing, UL-listed
- No different expansion coefficients thanks to the ceramic ferrule
- Same ferrule holder as for E-2000™
- Locking type: push-pull
- Connector tunable in 60° steps



Ordering Information	Description	PU	Part Number
 <p>090.6033</p>	<p><b>Connector SC APC,</b> Locking type push-pull. Injection-molded PBT housing, UL 94 V-0 (flammability index). Ferrule with end-face of Ø 0.5 mm and 45° dome angle. Supplied:</p> <ul style="list-style-type: none"> <li>• Inner and outer connector housing</li> <li>• Ferrule holder incl. ferrule</li> </ul>		
	<p><b>SM, green, 125.2 (+05/-0) µm, 0.5 µm con</b></p>	100	R828640
	<p><b>SM, green, 126.0 (+1/-0) µm</b></p>	100	R321761
 <p>090.6032</p>	<p><b>Connector SC PC,</b> Locking type push-pull. Injection-molded PBT housing, UL 94 V-0 (flammability index). Supplied:</p> <ul style="list-style-type: none"> <li>• Inner and outer connector housing</li> <li>• Ferrule holder incl. ferrule</li> </ul>		
	<p><b>SM, blue, 125.2 (+0.5/-0) µm, 0.5 µm con</b></p>	100	R828641
	<p><b>SM, blue, 126.0 (+1/-0) µm 1.0 µm con</b></p>	100	R840220
	<p><b>MM, beige, 126.0 (+1/-0) µm 1.0 µm con</b></p>	100	R840221
	<p><b>MM, beige, 127.0 (+3/-0) µm</b></p>	100	R304375
 <p>090.7039</p>	<p><b>Connector SC-RJ APC,</b> Locking type push-pull. Injection-molded PBT housing, UL 94 V-0 (flammability index). Supplied:</p> <ul style="list-style-type: none"> <li>• Inner and outer connector housing</li> <li>• 2 Ferrule holders incl. ferrules</li> </ul>		
	<p><b>SM, green, 126.0 (+1/-0) µm</b></p>	50	R802168
 <p>090.6035</p>	<p><b>Connector SC-RJ PC,</b> Locking type push-pull. Injection-molded PBT housing, UL 94 V-0 (flammability index). Supplied:</p> <ul style="list-style-type: none"> <li>• Inner and outer connector housings</li> <li>• 2 Ferrule holders incl. ferrules</li> </ul>		
	<p><b>SM, blue, 126.0 (+1/-0) µm 1.0 µm con</b></p>	50	R802165
	<p><b>MM, beige, 127.0 (+3/-0) µm</b></p>	50	R802162
	<p><b>MM, black, 232.0 (+2/-0) µm</b></p>	50	R802164

Ordering Information	Description	PU	Part Number
 <p>090.6518</p>	<p><b>Crimp Set E-2000™ / SC, 0.9 mm tube, short,</b>            Colored connector boot, short version, 13.5 mm length.            For tubes from Ø 0.6 - 1.2 mm.            Material boot: TPE, self extinguishing, free of halogen.</p>		
 <p>090.6036</p>	<p><b>Crimp Set E-2000™ / SC, 0.9 mm tube,</b>            Colored connector boot. For tubes from Ø 0.6 - 1.2 mm.            Material boot: TPE, self extinguishing, free of halogen.</p>		
 <p>090.7151</p>	<p><b>Crimp Set all Types E-2000™ / LC / SC, 1.7 mm cable,</b>            Crimp sleeve and colored connector boot. For cables from            Ø 1.4 - 1.7 mm.            Material sleeve: aluminum.            Material boot: TPE, self extinguishing, free of halogen.</p>		
 <p>090.7151</p>	<p><b>Crimp Set all Types E-2000™ / LC / SC, 2.2 mm cable,</b>            Crimp sleeve and colored connector boot. For cables from            Ø 1.8 - 2.2 mm.            Material sleeve: aluminum.            Material boot: TPE, self extinguishing, free of halogen.</p>		

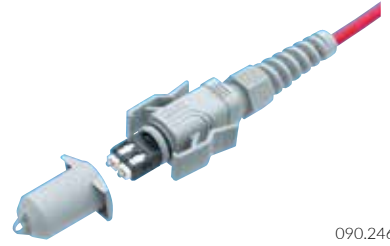
Ordering Information	Description	PU	Part Number
 <p>090.7151</p>	<p><b>Crimp Set all Types E-2000™ / LC / SC, 2.6 mm cable,</b>            Crimp sleeve and colored connector boot. For cables from            Ø 2.3 - 2.6 mm.            Material sleeve: aluminum.            Material boot: TPE, self extinguishing, free of halogen.</p>		
	<p><b>green</b>  <b>blue</b>  <b>red</b>  <b>black</b></p>	<p>100            100            100            100</p>	<p>R812809            R812810            R813159            R813158</p>
 <p>090.7151</p>	<p><b>Crimp Set all Types E-2000™ / LC / SC, 3.0 mm cable,</b>            Crimp sleeve and colored connector boot. For cables from            Ø 2.7 - 3.0 mm.            Material sleeve: aluminum.            Material boot: TPE, self extinguishing, free of halogen.</p>		
	<p><b>green</b>  <b>blue</b>  <b>red</b>  <b>black</b></p>	<p>100            100            100            100</p>	<p>R813160            R813161            R813163            R813162</p>



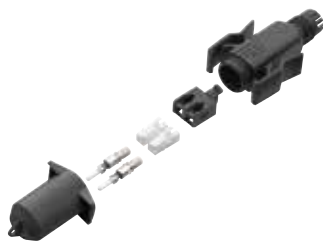
# Connector SC-RJ IP67


## Features

- Push-pull system
- 50 N pulling force
- 2.5 mm ferrules
- Low insertion loss
- Includes color coding (white, orange, yellow, blue)
- IP67 dust cover and pulling support
- Connector system in small form factor design for industrial application



090.2468




Ordering Information	Description	PU	Part Number
 <p>090.7062</p>	<p><b>Connector IP67, type 06, black, SC-RJ</b>            Connector set with SC-RJ plug und housing IP67, type 06. Crimp set (Boot for Industrial cable and crimp sleeve for connector) not included in connector set. Plug color: black.            Supplied:</p> <ul style="list-style-type: none"> <li>• SC interior housing incl. ferrule pre assembled</li> <li>• SC-RJ connector housing</li> <li>• Housing IP67, type 06, black</li> <li>• Instruction manual</li> </ul>		
	<p><b>APC, SM, black, 126.0 (+1/-0) µm</b></p>	50	R803946
	<p><b>PC, SM, black, 126.0 (+1/-0) µm</b></p>	50	R315009
	<p><b>PC, MM, black, 127.0 (+3/-0) µm</b></p>	50	R315008

 Different cable Ø and type on request.



090.7063

<p><b>Crimp Set IP67, type 06, black, cable industrial</b>            Crimp sleeve for cables from Ø 1.8 - 2.2 mm. Optimized kink protection for Ø 6.0 mm cable (PUR). Strain relief: min. 50N. Material sleeve: aluminum.            Supplied:</p> <ul style="list-style-type: none"> <li>• Crimp sleeve</li> <li>• Kink protection IP67, black</li> </ul>	50	R315010
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Ordering Information	Description	PU	Part Number
 <p>010.2382</p>	<p><b>Duplex Clip, R&amp;M connector SC</b>            This clips make SC-Duplex applications possible.            Color: black.</p>	1	R306718
 <p>010.2983</p>	<p><b>Color Clip SC-RJ Connector,</b>            Color coding for SC-RJ patch cord, Fiber Guard,            coding frame and Patch Guard.</p>		
	<p><b>green</b></p>	12	R310141
	<b>blue</b>	12	R310143
	<b>turquoise</b>	12	R310146
	<b>orange</b>	12	R310148
	<b>red</b>	12	R310144
	<b>yellow</b>	12	R310142
	<b>violet</b>	12	R310147
	<b>anthracite</b>	12	R310145
 <p>090.2736</p>	<p><b>Mechanical Color Clip SC-RJ Connector,</b>            Color coding for SC-RJ connector. Clip mechanically coded.            Can be combined with security system levels 1 and 3.</p>		
	<b>code 1, red</b>	12	R318280
	<b>code 2, brown</b>	12	R318283
	<b>code 3, yellow</b>	12	R318294
	<b>code 4, violet</b>	12	R318295
	<b>code 5, white</b>	12	R318296
	<b>code 6, black</b>	12	R318297

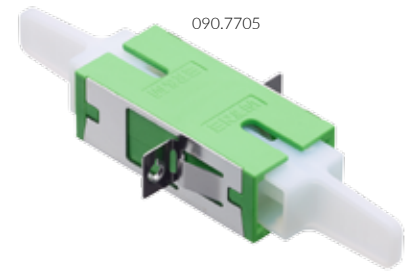
# Adapter SC

## Features

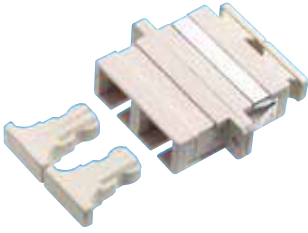
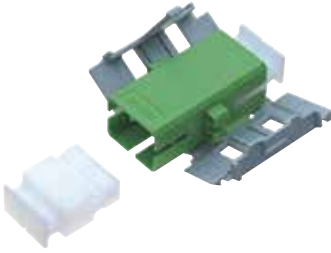



- Injection-molded PBT housing, UL 94 V-0 (flammability index)
- Split ceramic sleeve
- 500 mating cycles



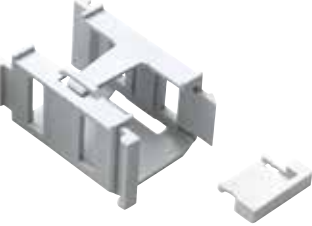


Ceramic = zirconia ceramic alignment sleeve

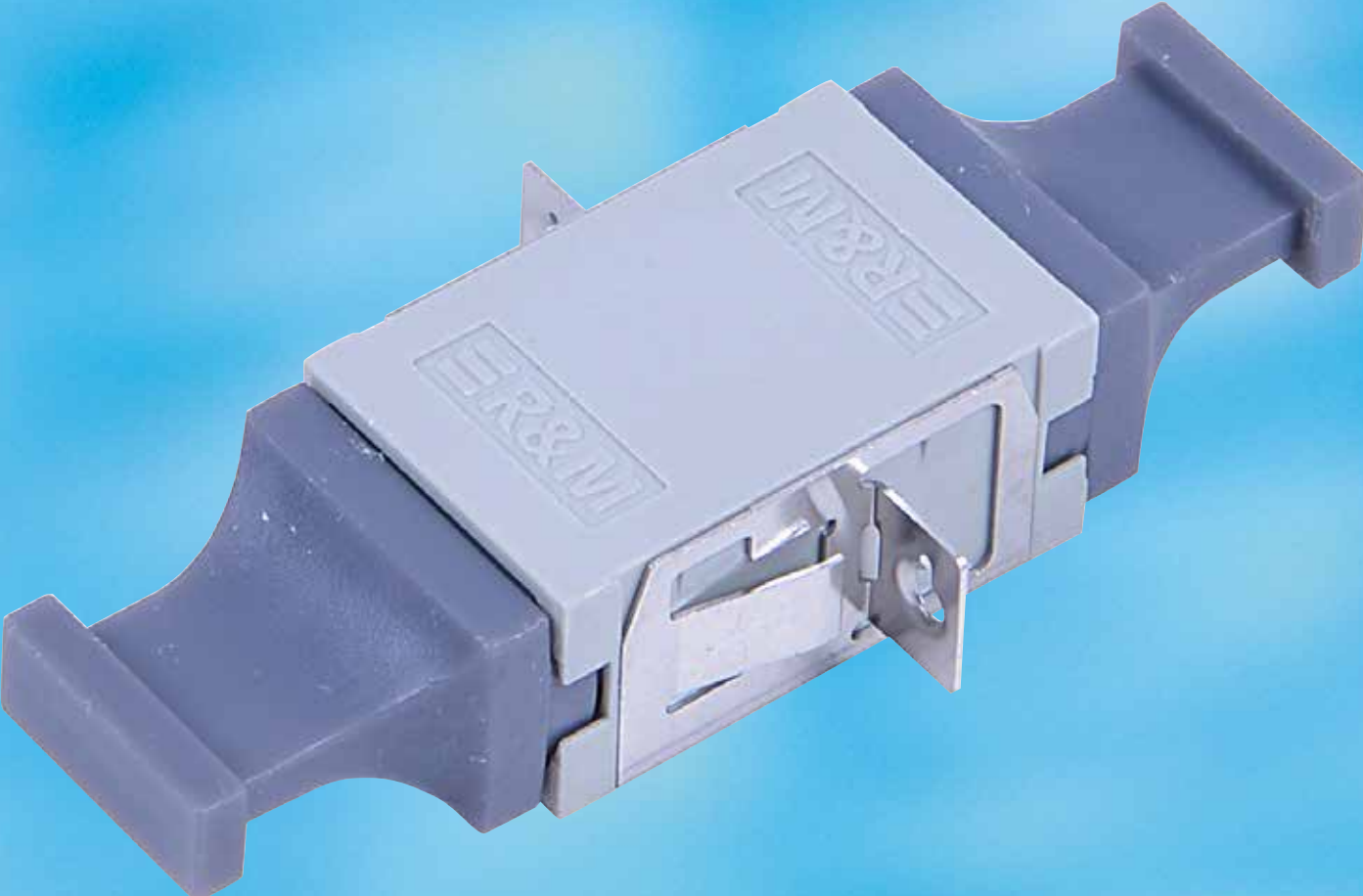


Ordering Information	Description	PU	Part Number
<p>090.7705</p>	<p><b>Adapter SC (screwable)</b>            SC adapter with semi-transparent dust caps.            Quick mounting clip integrated. M2 nuts pre-mounted.            Supplied:</p> <ul style="list-style-type: none"> <li>• SC adapter</li> <li>• 2 Philips head screws M2 x 8, blue galvanized</li> </ul>		
	<b>APC, green, ceramic SM, B, screwable</b>	12	R806951
	<b>PC, blue, ceramic SM, B, screwable</b>	12	R806952
	<b>APC, green, ceramic SM, C, screwable</b>	12	R804288
	<b>PC, blue, ceramic SM, C, screwable</b>	12	R805044
	<b>PC, beige, ceramic MM, M, screwable</b>	12	R806948
<p>090.7708</p>	<p><b>Adapter SC (flangeless)</b>            SC adapter flangeless with semi-transparent dust caps.            Quick mounting clip integrated.            Optimal front plate thickness: 1.3 – 1.7 mm</p>		
	<b>APC, green, ceramic SM, B</b>	12	R806949
	<b>PC, blue, ceramic SM, B</b>	12	R806950
	<b>APC, green, ceramic SM, C</b>	12	R803945
	<b>PC, blue, ceramic SM, C</b>	12	R804274
	<b>PC, beige, ceramic MM, M</b>	12	R804282
<p>090.2929</p>	<p><b>Universal Adapter, empty, SC/E-2000™/LC-Duplex</b>            Universal adapter without adapters.</p>	1	R318742
<p>090.7866</p>	<p><b>Adapter frame «special» equipped with SC</b>            Adapter frame «special» assembled with SC Simplex adapter fitting into selected R&amp;M Patch Panels and outlets which are designed for the mounting of RJ45 Cat. 6<sub>A</sub>, Cat. 6<sub>A</sub> EL and Cat. 6 EL modules.            Supplied:</p> <ul style="list-style-type: none"> <li>• Adapter frame special SC</li> </ul>		
	<b>APC, green, ceramic SM, C</b>	10	R840202
	<b>PC, blue, ceramic SM, C</b>	10	R822672
	<b>PC, beige, ceramic MM, M</b>	10	R822673

Ordering Information	Description	PU	Part Number
 <p>090.2443</p>	<p><b>Adapter SC-Duplex (screwable)</b></p> <p>Supplied:</p> <ul style="list-style-type: none"> <li>• SC-Duplex adapter</li> <li>• 2 Philips head screws M2 x 8, blue galvanized</li> <li>• 2 mounted hexagonal nuts M2, blue galvanized</li> </ul>		
	<p><b>APC, green, ceramic SM, C</b></p> <p><b>PC, blue, ceramic SM, C</b></p> <p><b>PC, beige, ceramic MM, M</b></p>	<p>12</p> <p>12</p> <p>12</p>	<p>R804260</p> <p>R30805</p> <p>R317064</p>
 <p>090.2733</p>	<p><b>Adapter SC-RJ (Snap-in)</b></p> <p>Supplied:</p> <ul style="list-style-type: none"> <li>• SC-RJ adapter with semi-transparent dust caps</li> <li>• Snap-in frame with coding clip, gray</li> <li>• Installation instructions</li> </ul>		
	<p><b>APC, green, ceramic SM, B</b></p> <p><b>APC, green, ceramic SM, C</b></p> <p><b>PC, blue, ceramic SM, C</b></p> <p><b>PC, blue, PhBr SM, D</b></p> <p><b>PC, beige, ceramic MM, M</b></p> <p><b>PC, black, ceramic MM, M</b></p> <p><b>PC, black, PhBr MM, N</b></p>	<p>12</p> <p>12</p> <p>12</p> <p>12</p> <p>12</p> <p>12</p> <p>12</p>	<p>R318279</p> <p>R318278</p> <p>R318276</p> <p>R318275</p> <p>R318274</p> <p>R312695</p> <p>R312775</p>
 <p>090.2727</p>	<p><b>Adapter SC-RJ</b></p> <p>Supplied:</p> <ul style="list-style-type: none"> <li>• SC-RJ adapter with semi-transparent dust caps</li> </ul>		
	<p><b>APC, green, ceramic SM, B</b></p> <p><b>APC, green, ceramic SM, C</b></p> <p><b>PC, blue, ceramic SM, C</b></p> <p><b>PC, blue, PhBr SM, D</b></p> <p><b>PC, beige, ceramic MM, M</b></p> <p><b>PC, black, ceramic SM, C</b></p> <p><b>PC, black, PhBr MM, N</b></p>	<p>12</p> <p>12</p> <p>12</p> <p>12</p> <p>12</p> <p>12</p> <p>12</p>	<p>R318265</p> <p>R318264</p> <p>R318263</p> <p>R318262</p> <p>R318261</p> <p>R311754</p> <p>R311753</p>
 <p>090.2737</p>	<p><b>Mechanical Color Pin SC-RJ Adapter,</b></p> <p>Color coding for SC-RJ adapter. Pin mechanically coded. Can be combined with security system levels 1 and 3.</p>		
	<p><b>code 1, red</b></p> <p><b>code 2, brown</b></p> <p><b>code 3, yellow</b></p> <p><b>code 4, violet</b></p> <p><b>code 5, white</b></p> <p><b>code 6, black</b></p>	<p>12</p> <p>12</p> <p>12</p> <p>12</p> <p>12</p> <p>12</p>	<p>R318298</p> <p>R318302</p> <p>R318305</p> <p>R318309</p> <p>R318310</p> <p>R318312</p>
 <p>030.0308</p>	<p><b>Dummy Plug E-2000™ / SC / LC-Duplex (13x9 mm)</b></p> <p>For E-2000™, SC and LC-Duplex mounting holes. Dimensions cutout: 13 x 9 mm Front panel wall thickness: 1.5 mm</p>	<p>12</p>	<p>R30004-20</p>

Ordering Information	Description	PU	Part Number
 <p data-bbox="135 584 209 600">010.2151</p>	<p data-bbox="544 293 943 322"><b>Dummy Plug SC-Duplex (34 x 9.3 mm)</b></p> <p data-bbox="544 329 895 421">For SC-Duplex mounting holes. Dimensions cutout: 26.4 x 9.8 mm Front panel wall thickness: 1.5 mm</p>	12	R30843
 <p data-bbox="135 913 209 929">090.7061</p>	<p data-bbox="544 645 863 674"><b>Snap-in Blind Cover, light gray</b></p> <p data-bbox="544 680 1070 741">For sheet metal cutouts of 15 x 19.5 mm in diameter. Front panel wall thickness: 1.5 and 3 mm.</p>	10	R308708
 <p data-bbox="135 1189 209 1205">010.2949</p>	<p data-bbox="544 958 895 987"><b>Snap-in Frame for SC-RJ Adapters</b></p> <p data-bbox="544 994 1018 1055">Snap-in frame and coding clip, gray. Front panel wall thickness: 1.5 mm and 2.0 mm.</p>	20	R315027

# MPO Adapters

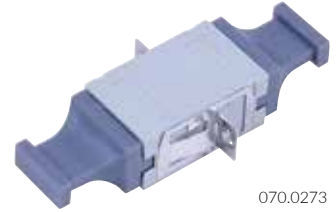




## MPO Adapters

### Features

- Injection-moulded PBT housing, UL 94 V-0 (flammability index)
- 500 mating cycles



070.0273

Ordering Information	Description	PU	Part Number
<p>070.0272</p>	<p><b>MPO Adapter Type A (key up - key down)</b> MPO adapter with dust caps. Quick mounting clip integrated. Optimal front plate thickness: 1.3 - 1.7 mm</p>		
	<p><b>Adapter-MPO-flangeless-A-bk</b></p>	12	R824361
<p>070.0271</p>	<p><b>MPO Adapter Type A (key up - key down)</b> MPO adapter with dust caps. Quick mounting clip integrated Supplied:</p> <ul style="list-style-type: none"> <li>• MPO Adapter</li> <li>• 2 head screws M2x8, blue galvanized</li> </ul>		
	<p><b>Adapter-MPO-screw-A-bk</b></p>	12	R824364
<p>070.0274</p>	<p><b>MPO Adapter Type B (key up - key up)</b> MPO adapter with dust caps. Quick mounting clip integrated. Optimal front plate thickness: 1.3 - 1.7 mm</p>		
	<p><b>Adapter-MPO-flangeless-B-gy</b></p>	12	R824363
<p>070.0273</p>	<p><b>MPO Adapter Type B (key up - key up)</b> MPO adapter with dust caps. Quick mounting clip integrated Supplied:</p> <ul style="list-style-type: none"> <li>• MPO Adapter</li> <li>• 2 head screws M2x8, blue galvanized</li> </ul>		
	<p><b>Adapter-MPO-screw-B-gy</b></p>	12	R824366
<p>070.0270</p>	<p><b>MPO Adapter Type A (key up - key down)</b> MPO adapter with dust caps. Quick mounting clip integrated. Optimal front plate thickness: 1.3 - 1.7 mm</p>		
	<p><b>Adapter-MPO-flangeless-A-rd</b></p>	12	R824362
<p>070.0269</p>	<p><b>MPO Adapter Type A (key up - key down)</b> MPO adapter with dust caps. Quick mounting clip integrated Supplied:</p> <ul style="list-style-type: none"> <li>• MPO Adapter</li> <li>• 2 head screws M2x8, blue galvanized</li> </ul>		
	<p><b>Adapter-MPO-screw-A-rd</b></p>	12	R824365





# FC Components









## Connector and Adapter FC



### Features

- Precise fullceramic ferrule
- Coupling for double-D-hole (dtype) or screwed flange (square)
- Brass adapter housing, nickel-coated
- Split zirconia ceramic sleeve
- 500 mating cycles

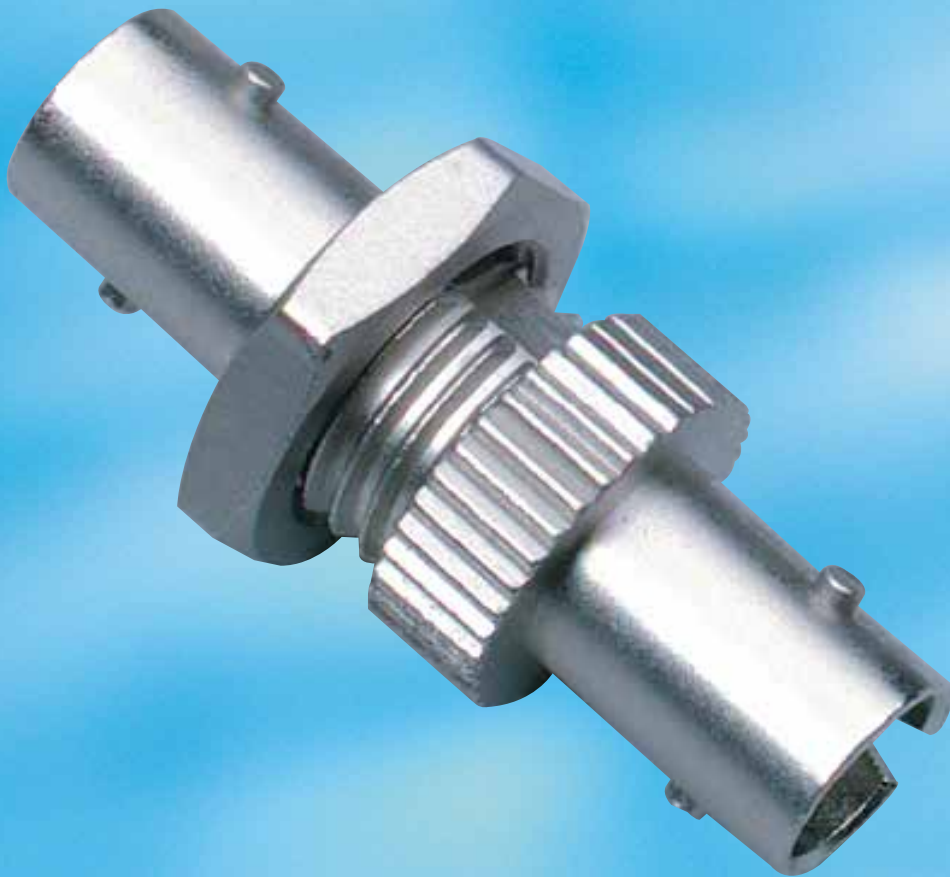


030.0635

Ordering Information	Description	PU	Part Number
 <p>090.6038</p>	<p><b>Connector FC</b> Fully mounted connector (small key). Locking system: thread mount. Connector housing made of nickel-plated brass, rotation lock made of beryllium bronze. Ferrule with end-face of <math>\varnothing</math> 0.5 mm and 45° done angle.</p>	100	R510784
 <p>090.6038</p>	<p><b>Connector FC</b> Fully mounted connector (small key). Locking system: thread mount. Connector housing made of nickel-plated brass, rotation lock made of beryllium bronze.</p>	100	R510783
 <p>090.6039</p>	<p><b>Crimp Set FC, 0.9 mm tube,</b> Colored connector boot. For tubes from <math>\varnothing</math> 0.6 - 1.2 mm. Material boot: self extinguishing, free of halogen.</p>	100	R510810
 <p>090.6039</p>	<p><b>Crimp Set FC, 2.2 mm cable,</b> Crimp sleeve and colored connector boot. For cables from <math>\varnothing</math> 1.8 - 2.2 mm. Material sleeve: aluminum. Material boot: self extinguishing, free of halogen.</p>	100	R510809
		100	R510808
		100	R510815
		100	R510813
		100	R510817
		100	R510811

Ordering Information	Description	PU	Part Number
 <p data-bbox="137 539 209 555">090.6039</p>	<p data-bbox="563 293 842 320"><b>Crimp Set FC, 3.0 mm cable,</b></p> <p data-bbox="563 327 1129 416">Crimp sleeve and colored connector boot. For cables from Ø 2.5 - 3.0 mm. Material sleeve: aluminum. Material boot: self extinguishing, free of halogen.</p>	<p data-bbox="1209 454 1246 481">100</p> <p data-bbox="1209 488 1246 515">100</p> <p data-bbox="1209 521 1246 548">100</p> <p data-bbox="1209 555 1246 582">100</p>	<p data-bbox="1369 454 1461 481">R510816</p> <p data-bbox="1369 488 1461 515">R510814</p> <p data-bbox="1369 521 1461 548">R510818</p> <p data-bbox="1369 555 1461 582">R510812</p>
 <p data-bbox="137 891 209 907">030.0635</p>	<p data-bbox="563 645 679 672"><b>Adapter FC</b></p> <p data-bbox="563 678 651 705">Supplied:</p> <ul data-bbox="563 712 1031 768" style="list-style-type: none"> <li data-bbox="563 712 1031 739">• FC adapter (zirconia ceramic alignment sleeve)</li> <li data-bbox="563 745 727 772">• Hexagonal nut</li> </ul>	<p data-bbox="1222 801 1246 828">12</p> <p data-bbox="1222 835 1246 862">1</p>	<p data-bbox="1369 801 1461 828">R30911</p> <p data-bbox="1369 835 1461 862">R311304</p>
 <p data-bbox="137 1216 209 1234">030.0307</p>	<p data-bbox="563 936 935 963"><b>Dummy Plug ST / FC (Ø 8.0 - 9.5 mm)</b></p>	<p data-bbox="1222 936 1246 963">12</p>	<p data-bbox="1382 936 1461 963">R30841</p>

# ST Components

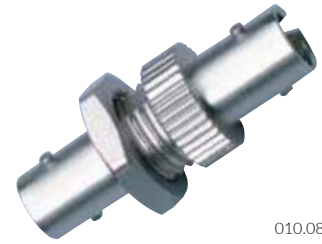








## Connector and Adapter ST

### Features


- Brass adapter housing
- Bayonet-type locking
- Split zirconia ceramic sleeve
- 500 mating cycles
- Coupling for double-D-hole



010.0800

Ordering Information	Description	PU	Part Number
 <p>090.6040</p>	<p><b>Connector ST</b> Connector completely assembled. Bayonet locking type. Zinc casting connector housing, nickel-coated.</p>		
	<p><b>PC, SM, 126.0 (+1/-0) µm</b> <b>PC, MM, 126.0 (+1/-0) µm</b></p>	<p>100 100</p>	<p>R510786 R510785</p>
<p><b>i</b> Connector not tunable.</p>			
 <p>090.6041</p>	<p><b>Crimp Set ST, 0.9 mm tube,</b> Colored connector boot. For tubes from Ø 0.6 - 1.2 mm. Material boot: self extinguishing, free of halogen.</p>		
	<p><b>blue</b> <b>black</b></p>	<p>100 100</p>	<p>R510820 R510819</p>
 <p>090.6041</p>	<p><b>Crimp Set ST, 2.2 mm cable,</b> Crimp sleeve and colored connector boot. For cables from Ø 1.8 - 2.2 mm. Material sleeve: aluminum. Material boot: self extinguishing, free of halogen.</p>		
	<p><b>blue</b> <b>red</b> <b>black</b></p>	<p>100 100 100</p>	<p>R510823 R510852 R510821</p>
 <p>090.6041</p>	<p><b>Crimp Set ST, 3.0 mm cable,</b> Crimp sleeve and colored connector boot. For cables from Ø 2.5 - 3.0 mm. Material sleeve: aluminum. Material boot: self extinguishing, free of halogen.</p>		
	<p><b>blue</b> <b>red</b> <b>black</b></p>	<p>100 100 100</p>	<p>R510824 R510826 R510822</p>



Ordering Information	Description	PU	Part Number
 <p data-bbox="129 566 209 589">010.0800</p>	<b>Adapter ST</b>		
	Supplied:		
	<ul style="list-style-type: none"> <li data-bbox="560 353 692 387">• ST adapter</li> <li data-bbox="560 387 748 421">• Washer, toothed</li> <li data-bbox="560 421 727 450">• Hexagonal nut</li> </ul>		
	<b>PC, ceramic SM / MM</b>	12	R30802
	<b>PC, PhBr SM, D</b>	12	R306881
	<b>PC, PhBr MM, N</b>	12	R303562



<b>Dummy Plug ST / FC (Ø 8.0 - 9.5 mm)</b>	12	R30841
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# FO Field



## Features

**Flexibility**

Cabling freedom

**Efficiency**

Easy mounting

**Quality**

Swiss precision







## Connection Systems FO Field

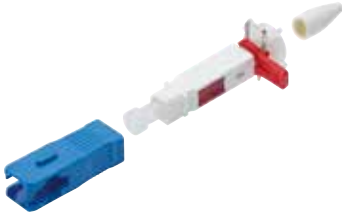



### Features

- Field-terminable, no polishing required
- Assembled in less than 1 minute
- Few tools required (cleaver, wire stripper)
- Highest performance (Grade C<sub>f</sub> with SM and Grade B<sub>mf</sub> with MM)
- Can be reassembled five times
- One connector type for fibers of 250µm up to cables of 3.0mm
- Simple function test



090.6830

Ordering Information	Description	PU	Part Number
 <p>090.7336</p>	<p><b>FO Field LC, Grade C, APC, green,</b> Field-terminable LC/APC connector, Grade C<sub>f</sub>/1, individual packaged incl. stripping chart and QR code with installation instructions. Color green, strain relief pigtail white.</p>		
	<p><b>G657.A fiber stub, 250µm fibers up to 0.9mm fibers</b> <b>G652.D fiber stub, 250µm fibers up to 0.9mm fibers</b></p>	<p>1 1</p>	<p>R820787 R820788</p>
 <p>090.7341</p>	<p><b>FO Field LC, Grade C, PC, blue,</b> Field-terminable LC/PC connector, Grade C<sub>f</sub>/2, individual packaged incl. stripping chart and QR code with installation instructions. Color blue, strain relief pigtail white.</p>		
	<p><b>G657.A fiber stub, 250µm fibers up to 0.9mm fibers</b> <b>G652.D fiber stub, 250µm fibers up to 0.9mm fibers</b></p>	<p>1 1</p>	<p>R820789 R820790</p>
 <p>090.7344</p>	<p><b>FO Field LC, Grade B<sub>mf</sub>, PC, beige,</b> Field-terminable LC/PC connector, Grade B<sub>mf</sub>/3, individual packaged incl. stripping chart and QR code with installation instructions. Color beige, strain relief pigtail white.</p>		
	<p><b>OM4 fiber stub, 250µm fibers up to 0.9mm fibers</b> <b>OM1 fiber stub, 250µm fibers up to 0.9mm fibers</b></p>	<p>1 1</p>	<p>R820791 R824372</p>
 <p>090.7337</p>	<p><b>FO Field SC, Grade C, APC, green,</b> Field-terminable SC/APC connector, Grade C<sub>f</sub>/1, individual packaged incl. stripping chart and QR code with installation instructions. Color green, strain relief pigtail white.</p>		
	<p><b>G657.A fiber stub, 250µm fibers up to 0.9mm fibers</b> <b>G652.D fiber stub, 250µm fibers up to 0.9mm fibers</b></p>	<p>1 1</p>	<p>R820792 R820793</p>

Ordering Information	Description	PU	Part Number
 <p data-bbox="137 524 209 544">090.7342</p>	<p data-bbox="563 297 874 320"><b>FO Field SC, Grade C<sub>r</sub>, PC, blue,</b></p> <p data-bbox="563 327 1015 416">Field-terminable SC/PC connector, Grade C<sub>r</sub>/2, individual packaged incl. stripping chart and QR code with installation instructions.</p> <p data-bbox="563 423 906 450">Color blue, strain relief pigtail white.</p>		
	<b>G657.A fiber stub, 250µm fibers up to 0.9mm fibers</b>	1	R820794
	<b>G652.D fiber stub, 250µm fibers up to 0.9mm fibers</b>	1	R820795
 <p data-bbox="137 844 209 864">090.7343</p>	<p data-bbox="563 618 895 640"><b>FO Field SC, Grade B<sub>mf</sub>, PC, beige,</b></p> <p data-bbox="563 647 1015 736">Field-terminable SC/PC connector, Grade B<sub>mf</sub>/3, individual packaged incl. stripping chart and QR code with installation instructions.</p> <p data-bbox="563 743 916 770">Color beige, strain relief pigtail white.</p>		
	<b>OM4 fiber stub, 250µm fibers up to 0.9mm fibers</b>	1	R820796
	<b>OM1 fiber stub, 250µm fibers up to 0.9mm fibers</b>	1	R824371
 <p data-bbox="137 1144 209 1160">090.5143</p>	<p data-bbox="563 936 735 958"><b>Red Light Source,</b></p> <p data-bbox="563 965 1110 1021">Red light source (wavelength 640 nm) for 2.5 + 1.25 mm ferrules for connectors E-2000™, FC, SC, ST, LC and MU.</p> <p data-bbox="563 1028 651 1055">Supplied:</p> <ul data-bbox="563 1061 855 1182" style="list-style-type: none"> <li data-bbox="563 1061 740 1088">• Red light source</li> <li data-bbox="563 1095 855 1122">• Adapter for ferrule 1.25 mm</li> <li data-bbox="563 1128 671 1155">• Batteries</li> <li data-bbox="563 1162 635 1189">• Case</li> </ul>		
	<b>2.5+1.25 mm ferrules</b>	1	R504313
	<p data-bbox="563 1272 1259 1314"> Laser power 0.5 mW / -3dBm for approximately 3 km fiber length.</p>		

# Crimp & Cleave



## Features

### **Efficiency**

Assembled in less than 3 min

### **Reliable**

Fullfills «Extreme Environment» requirement

### **Flexibility**

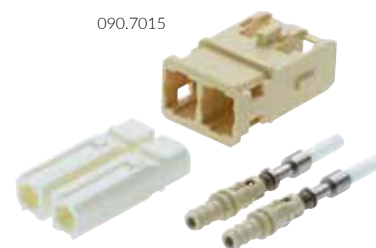
Easy to learn, intuitiv assembly steps



## Connector PCF Crimp and Cleave

### Features

- Field-terminable, no polishing required
- Assembled in less than 3 minutes
- Few tools required (cleaver and wire stripper)
- Perfect point-to-point connectivity
- Extremely durable (Category extreme environment)
- All cable types up to diameter of 3.2 mm



Ordering Information	Description	PU	Part Number
<p>090.7017</p>	<p><b>Connector PCF Crimp and Cleave, E-2000™</b> Field-terminable E-2000™/PC connector, grade Em. Color beige. Supplied:</p> <ul style="list-style-type: none"> <li>• Connector housings with metal dust shutter</li> <li>• Ferrule holder incl. ferrule</li> </ul>		
	<b>PC, MM, beige, 232.0 (+2/-0) μm</b>	50	R810635
<p>090.7016</p>	<p><b>Connector PCF Crimp and Cleave, SC</b> Field-terminable SC/PC connector, grade Em. Color beige. Supplied:</p> <ul style="list-style-type: none"> <li>• Connector housings and plastic dust cover</li> <li>• Ferrule holder incl. ferrule</li> </ul>		
	<b>PC, MM, beige, 232.0 (+2/-0) μm</b>	50	R810633
	<b>MM, beige, 232.0 (+2/-0) μm</b>	100	R802160
<p>090.7015</p>	<p><b>Connector PCF Crimp and Cleave, SC-RJ</b> Field-terminable SC-RJ/PC connector, grade Em. Color beige. Supplied:</p> <ul style="list-style-type: none"> <li>• Connector housings and plastic dust covers</li> <li>• Ferrule holder incl. ferrule</li> </ul>		
	<b>PC, MM, beige, 232.0 (+2/-0) μm</b>	25	R810634
<p>090.7153</p>	<p><b>Tool box PCF Crimp and Cleave, 2.5mm</b></p> <p>Assembling tool for PCF crimp and cleave connectors based on 2.5mm ferrule (E-2000, SC, SC-RJ, SC Duplex). Without connector.</p>	1	R810636
<p>010.2382</p>	<p><b>Duplex Clip, R&amp;M connector SC</b> This clips make SC-Duplex applications possible. Color: black.</p>	1	R306718





# Tools & Testing Equipment

## Features

### **Security**

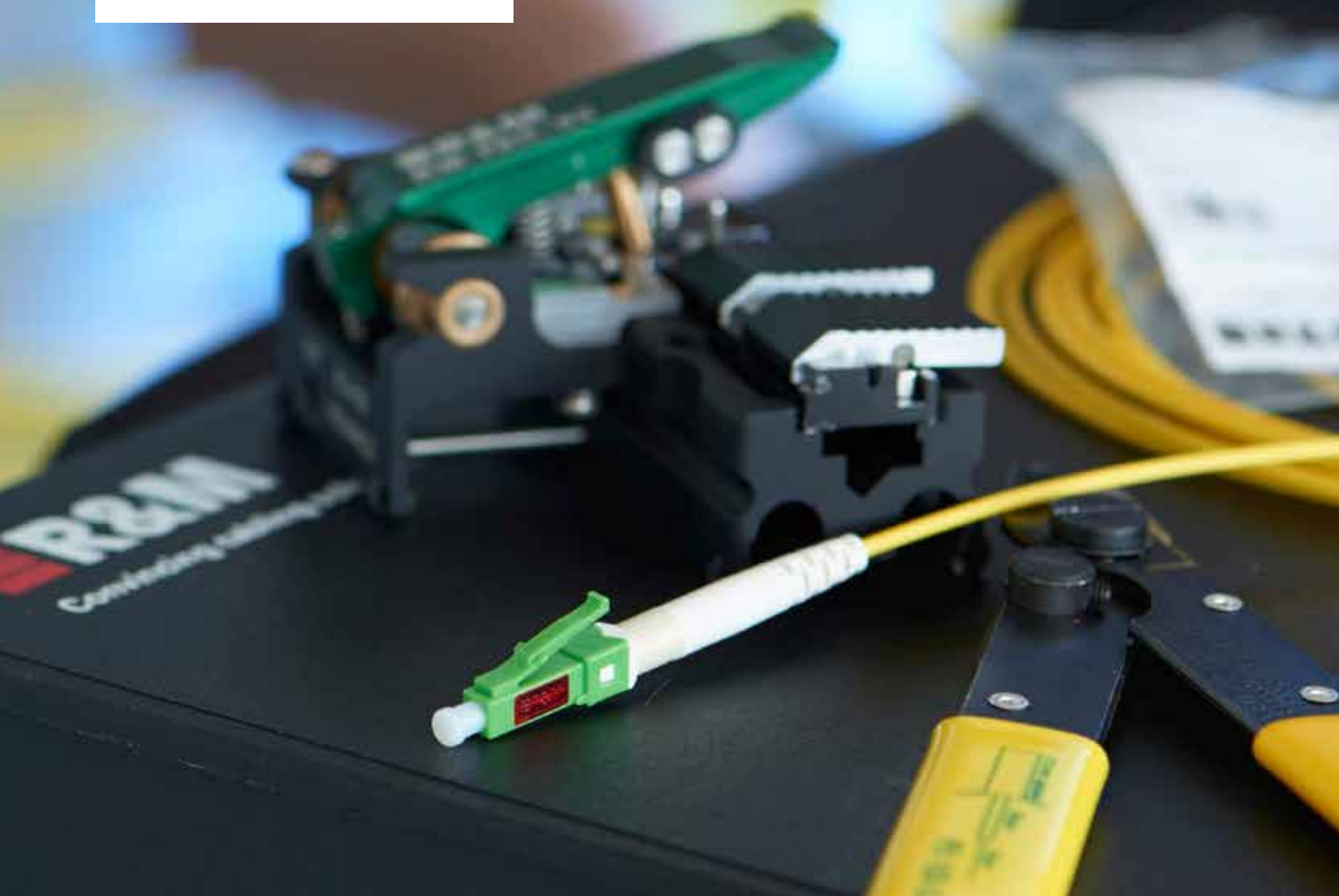
Minimum excentricity

### **Stability**

Worst-case measurement thanks to fiber position in lower sector (singlemode)

### **Service**

Test protocol with exact fiber position






## Reference Cords

### Features

- Minimum excentricity
- Long term durability due to zirconia (ceramic) ferrule
- Worst-case measurement thanks to fiber position in lower sector (singlemode)
- Maximum repeatability
- Test protocol with exact fiber position





**i** Other reference cord types on request.



Ordering Information	Description	PU	Part Number
 <p>090.6636</p>	<b>Reference Cord E-2000™ APC, R/1 -</b> This reference connector is characterized by a highly precise fiber centricity of $G = 0.30\mu\text{m}$ maximum. To guarantee worst-case measurement, the fibers are turned downward at an angle of $\pm 30^\circ$ . This means that an optimum measuring precision is ensured, giving you and your customers maximum reliability for each-to-each values of the measured connections. Supplied: <ul style="list-style-type: none"> <li>• Reference cord, 3 m</li> <li>• Test protocol, incl. IL and RL at 1310nm + 1550nm, fiber position</li> <li>• Interferometry test protocol</li> <li>• Box, black</li> </ul>		
	<b>E-2000™ APC, B/1, G.652.D, 3 m</b>	1	R804250
	<b>FC APC, C/1, G.652.D, 3 m</b>	1	R804238
	<b>FC PC, C/2, G.652.D, 3 m</b>	1	R804232
	<b>SC APC, B/1, G.652.D, 3 m</b>	1	R804244



090.6636

<b>Reference Cord E-2000™ PC, R/2 -</b> This reference connector is characterized by a highly precise fiber centricity of $G = 0.30\mu\text{m}$ maximum. To guarantee worst-case measurement, the fibers are turned downward at an angle of $\pm 30^\circ$ . This means that an optimum measuring precision is ensured, giving you and your customers maximum reliability for each-to-each values of the measured connections. Supplied: <ul style="list-style-type: none"> <li>• Reference cord, 3 m</li> <li>• Test protocol, incl. IL and RL at 1310nm + 1550nm, fiber position</li> <li>• Interferometry test protocol</li> <li>• Box, black</li> </ul>		
<b>E-2000™ APC, B/1, G.652.D, 3 m</b>	1	R804251
<b>FC APC, C/1, G.652.D, 3 m</b>	1	R804239
<b>FC PC, C/2, G.652.D, 3 m</b>	1	R804233
<b>SC APC, B/1, G.652.D, 3 m</b>	1	R804245

Ordering Information	Description	PU	Part Number
	<p><b>Reference Cord E-2000™ PC, R/2 -</b></p> <p>This reference connector is characterized by a highly precise fiber centricity of <math>G = 1.00\mu\text{m}</math> maximum. This means that an optimum measuring precision is ensured, giving you and your customers maximum reliability for each-to-each values of the measured connections.</p> <p>Supplied:</p> <ul style="list-style-type: none"> <li>• Reference cord, 3 m</li> <li>• Test protocol, incl. IL and RL at 850nm + 1300nm, fiber position</li> <li>• Interferometry test protocol</li> <li>• Box, black</li> </ul>	1	R804262
	<p><b>Reference Cord LC APC, R/1 -</b></p> <p>This reference connector is characterized by a highly precise fiber centricity of <math>G = 0.30\mu\text{m}</math> maximum. To guarantee worst-case measurement, the fibers are turned downward at an angle of <math>\pm 30^\circ</math>. This means that an optimum measuring precision is ensured, giving you and your customers maximum reliability for each-to-each values of the measured connections.</p> <p>Supplied:</p> <ul style="list-style-type: none"> <li>• Reference cord, 3 m</li> <li>• Test protocol, incl. IL and RL at 1310nm + 1550nm, fiber position</li> <li>• Interferometry test protocol</li> <li>• Box, black</li> </ul>	1	R804255
	<p><b>Reference Cord LC PC, R/2 -</b></p> <p>This reference connector is characterized by a highly precise fiber centricity of <math>G = 0.30\mu\text{m}</math> maximum. To guarantee worst-case measurement, the fibers are turned downward at an angle of <math>\pm 30^\circ</math>. This means that an optimum measuring precision is ensured, giving you and your customers maximum reliability for each-to-each values of the measured connections.</p> <p>Supplied:</p> <ul style="list-style-type: none"> <li>• Reference cord, 3 m</li> <li>• Test protocol, incl. IL and RL at 1310nm + 1550nm, fiber position</li> <li>• Interferometry test protocol</li> <li>• Box, black</li> </ul>	1	R804256
090.6636	<b>FC PC, Bm/3, OM3, 3 m</b>	1	R804262
090.6636	<p><b>E-2000™ APC, B/1, G.652.D, 3 m</b></p> <p><b>FC APC, C/1, G.652.D, 3 m</b></p> <p><b>FC PC, C/2, G.652.D, 3 m</b></p> <p><b>SC APC, B/1, G.652.D, 3 m</b></p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>R804255</p> <p>R804242</p> <p>R804236</p> <p>R804248</p>
090.6636	<p><b>E-2000™ APC, B/1, G.652.D, 3 m</b></p> <p><b>FC APC, C/1, G.652.D, 3 m</b></p> <p><b>FC PC, C/2, G.652.D, 3 m</b></p> <p><b>SC APC, B/1, G.652.D, 3 m</b></p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>R804256</p> <p>R804243</p> <p>R804237</p> <p>R804249</p>

Ordering Information	Description	PU	Part Number
 <p>090.6636</p>	<p><b>Reference Cord SC PC, R/2 -</b>            This reference connector is characterized by a highly precise fiber centricity of <math>G = 0.30\mu\text{m}</math> maximum. To guarantee worst-case measurement, the fibers are turned downward at an angle of <math>\pm 30^\circ</math>. This means that an optimum measuring precision is ensured, giving you and your customers maximum reliability for each-to-each values of the measured connections.            Supplied:</p> <ul style="list-style-type: none"> <li>• Reference cord, 3 m</li> <li>• Test protocol, incl. IL and RL at 1310nm + 1550nm, fiber position</li> <li>• Interferometry test protocol</li> <li>• Box, black</li> </ul>		
	<p><b>E-2000™ APC, B/1, G.652.D, 3 m</b></p>	1	R804254
	<p><b>FC APC, C/1, G.652.D, 3 m</b></p>	1	R804241
	<p><b>FC PC, C/2, G.652.D, 3 m</b></p>	1	R804235
	<p><b>SC APC, B/1, G.652.D, 3 m</b></p>	1	R804247
 <p>090.6636</p>	<p><b>Reference Cord SC PC, R/2 -</b>            This reference connector is characterized by a highly precise fiber centricity of <math>G = 1.00\mu\text{m}</math> maximum. This means that an optimum measuring precision is ensured, giving you and your customers maximum reliability for each-to-each values of the measured connections.            Supplied:</p> <ul style="list-style-type: none"> <li>• Reference cord, 3 m</li> <li>• Test protocol, incl. IL and RL at 850nm + 1300nm, fiber position</li> <li>• Interferometry test protocol</li> <li>• Box, black</li> </ul>		
	<p><b>FC PC, Bm/3, OM3, 3 m</b></p>	1	R804263


# Launch fiber

## Features

- Long service life
- Latest fiber types
- Singlemode and multimode
- High attenuation accuracy
- Suitable for high-power applications
- Easy handling
- High return loss





**i** Other launch fiber types on request.

Ordering Information	Description	PU	Part Number
 <p>090.6868</p>	<p><b>Launch Fiber</b>            Launch fibers are delivered in a protective transportation box.            Mode type: E9/125/250µm.            Box dimensions: 195 x 160 x 32 mm.            Supplied:</p> <ul style="list-style-type: none"> <li>• Transportation box</li> <li>• Launch fiber 1000 m</li> <li>• Test protocol, incl. IL and RL at 1310nm + 1550nm, fiber position</li> <li>• Interferometry test protocol</li> </ul>		
	<p><b>E-2000™ APC, R/1 - FC PC, C/2, G.652.D, 1000 m</b></p>	1	R807761
	<p><b>E-2000™ PC, R/2 - FC PC, C/2, G.652.D, 1000 m</b></p>	1	R807760
	<p><b>LC PC, R/2 - FC PC, C/2, G.652.D, 1000 m</b></p>	1	R809805
	<p><b>SC PC, R/2 - FC PC, C/2, G.652.D, 1000 m</b></p>	1	R807762

**i** Attenuation value in protocols include connector and fiber loss.

## Testing Equipment



Ordering Information	Description	PU	Part Number
 <p data-bbox="113 857 185 875">090.5143</p>	<p data-bbox="539 595 719 622"><b>Red Light Source,</b></p> <p data-bbox="539 629 1091 685">Red light source (wavelength 640 nm) for 2.5 + 1.25 mm ferrules for connectors E-2000™, FC, SC, ST, LC and MU.</p> <p data-bbox="539 692 632 719">Supplied:</p> <ul data-bbox="539 725 836 842" style="list-style-type: none"> <li>• Red light source</li> <li>• Adapter for ferrule 1.25 mm</li> <li>• Batteries</li> <li>• Case</li> </ul>	1	R504313
 <p data-bbox="113 1312 185 1330">090.2960</p>	<p data-bbox="539 931 759 958"><b>2.5+1.25 mm ferrules</b></p> <p data-bbox="539 931 1238 976"><b>i</b> Laser power 0.5 mW / -3dBm for approximately 3 km fiber length.</p>		
<p data-bbox="539 1043 799 1070"><b>Service Adapter E-2000™</b></p> <p data-bbox="539 1111 1023 1200">Simplifies the cleaning of the E-2000™ connector. Plugging the adapter in automatically opens the laser dust cover, releasing the ferrule.</p>	5	R316625	









# Tool Kit for FO Field

## Features

- Easy handling
- Light and compact design
- Power supply independent










Ordering Information	Description	PU	Part Number
 <p>090.7160</p>	<p><b>Tool Kit FO Field</b></p> <p>Assembling tool for connector FO Field.</p> <p>Supplied:</p> <ul style="list-style-type: none"> <li>• Tool case</li> <li>• Fiber fixation tool</li> <li>• Adapter for red light source reduction 2.5mm to 1.25mm</li> <li>• Adapter 2.5mm</li> <li>• Adapter 1.25mm</li> <li>• Red light source 650nm, 0.5mW</li> <li>• Dual hole fiber stripper</li> <li>• Stripping tool 0.6 - 2.6mm</li> <li>• Kevlar scissor (R810638)</li> <li>• Bin for fiber piece</li> <li>• Cleaning wipes</li> <li>• Fiber marker, black</li> <li>• Patch cord OM4, SC PC to LC PC, 3m</li> <li>• Patch cord OS2, SC PC to LC PC, 3m</li> <li>• Manual FO Field pigtail and patch cord</li> </ul>	1	R810212
 <p>090.7159</p>	<p><b>Fiber Cleaver 8°</b></p> <p>Novel 8° fiber cleaver from R&amp;M for angled fiber connections. Designed for 10'000 cleaves (10 positions à 1'000 cleaves). Not suitable for fusion splicing!</p>		R812786
 <p>090.5143</p>		R812784	
 <p>090.7163</p>		R812785	
 <p>090.7154</p>		R813813	
 <p>090.7161</p>			R812543
	<p><b>i</b> Without cleaver.</p>		R813284
			R813285

## Tools for PCF Crimp and Cleave Connectors

### Features

- Easy handling
- 2 ferrules ready in less than 2 minutes
- Extremely durable (Category extreme environment)
- Power supply independent
- Glueless assembling, fiber fixation by clamping (crimp) and fiber end cleaving
- Suitable for SC Duplex, SC, SC-RJ and E-2000™ connector family





Ordering Information	Description	PU	Part Number
 090.7153	<b>Tool box PCF 2.5mm Crimp and Cleave</b> Assembling tool for connector crimp and cleave PCF. Supplied: <ul style="list-style-type: none"> <li>• Tool box</li> <li>• Fiber cleaver</li> <li>• Stripping tool 0.6 - 2.6mm</li> <li>• Kevlar scissors</li> <li>• Crimping tool</li> <li>• Crimp die E-2000™/LC/SC-PCF crimp and cleave (R&amp;M ferrule holder)</li> <li>• Fiber stripper 230µm</li> <li>• Assembly instructions</li> </ul>	1	R810636
 090.7156			R813172
 090.7154			R812543
 090.7157			R810638
 090.7155			R316697
 090.2652	<b>Crimping Tool</b>  Supplied: <ul style="list-style-type: none"> <li>• Crimping tool (without crimp dies)</li> </ul>	1	R316697
 090.2651	<b>Crimp Die,</b> <b>E-2000™/LC/SC (R&amp;M ferrule holder)</b> <b>E-2000™/LC/SC-PCF crimp&amp;cleave (R&amp;M ferrule holder)</b> <b>LC</b> <b>ST</b> <b>SC / FC</b> <b>IP67 (800N)</b>	1 1 1 1 1 1	R316696 R803941 R316720 R316721 R316722 R316770

# Cleaning Kit Case

Studies have shown that 80 to 90 percent of all transmission problems in optical networks are caused by dirty connectors. As a rule, every connector must be checked and cleaned if necessary, before it is plugged in. The same applies to new and unused patch cords. This cleaning kit has been specifically designed for network technicians. The tools it contains can be used to clean and check all standard connector types.

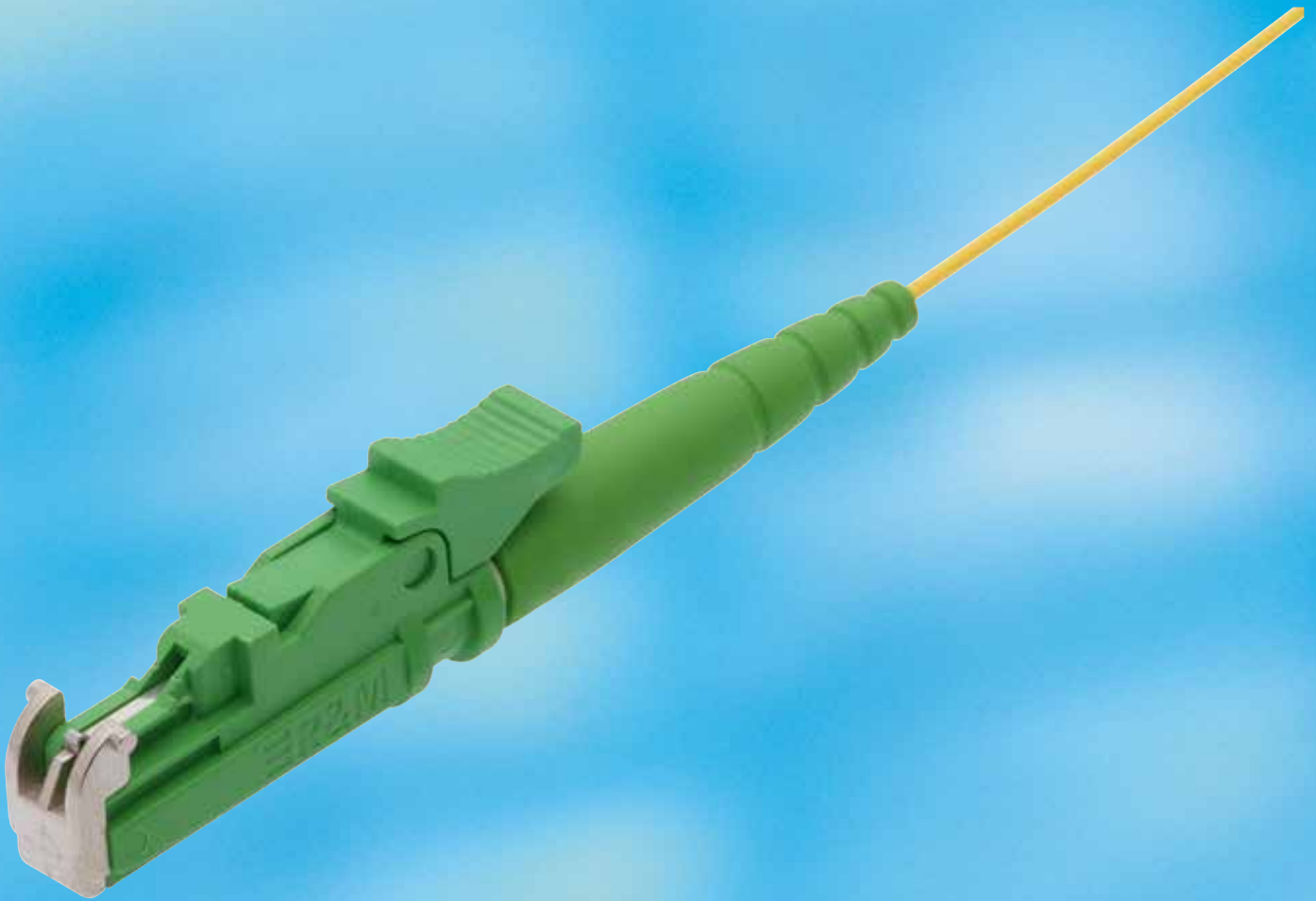


Ordering Information	Description	PU	Part Number
	<p><b>Cleaning Kit Case FO</b></p> <p>Supplied:</p> <ul style="list-style-type: none"> <li>• Connector microscope, 200x magnification, micro adapters 1.25 mm and 2.5 mm (PC/APC), service adapter for E-2000™ connectors</li> <li>• Cletop dry cleaning cassette</li> <li>• Isopropyl alcohol dispenser, empty</li> <li>• Cleaning wipes (10x10 cm)</li> <li>• Ferrule Mate, 1.25 mm, to clean connectors directly at the patch panel (LC)</li> <li>• Ferrule Mate, 2.5 mm, to clean connectors directly at the patch panel (ST, SC, FC, E-2000™)</li> </ul>	1	R319903
090.2924	<p> Due to export restrictions we do not sell any alcohol. For cleaning purpose please use Isopropyl-Alcohol 99,7% which can be bought in any drug store / pharmacie.</p>		
090.2960	<p><b>Ferrule Mate,</b></p> <p>Replacement Ferrule Mate for the FO cleaning kit case. To clean connectors (300 - 600x) directly at the patch panel.</p>		
090.2927	<p></p> <p><b>1.25 mm, for LC</b></p> <p><b>2.50 mm, for E-2000™/FC/SC/ST</b></p>	1	R319901
090.2927	<p><b>2.50 mm, for E-2000™/FC/SC/ST</b></p>	1	R319902
090.6685	<p></p> <p><b>IBC Brand Cleaner, MPO in adapters</b></p> <p>To clean of MPO connector in adapter.</p>	1	R803932

Ordering Information	Description	PU	Part Number
 090.6686	<b>Reel Cleaner, MPO connectors</b> Designed for cleaning of MPO-male, also for other FO connectors usable.	1	R803931
 090.6687	<b>Reel Cleaner Spare Cleaning Tabs , 6x</b> Spare cleaning tapes for the reel cleaner MPO-male.	1	R803933



# Assembled Cables



## Features

### **Performance**

Fully integrated IEC 61753  
«each-to-each» performance

### **Quality**

100% factory tested

### **Reliable**

Long service life, periodical  
testing of all mechanical and  
thermal parameters






## Pigtails E-2000™

### Features

- Integrated spring-loaded shutter for dust and scratching protection
- Locking type latched push-pull. Injection-molded PBT housing, UL 94 V-0 (flammability index)
- Semi-tight buffer Ø 0.9 mm one side fitted with E-2000™ connector



Ordering Information	Description	PU	Part Number
 090.7265	<b>Pigtail E-2000™ APC, green/green,</b> Pigtail-set with 12 different tube/fiber colors: yellow, green, blue, red, black, orange, gray, turquoise, pink, brown, violet and white.  <b>G.652.D 12-colors, C/1, 2.5 m</b>	1	R809361
 090.7265	<b>Pigtail E-2000™ APC, green/green,</b>  <b>G.652.D yellow, C/1, 2.5 m</b>	12	R30966
 030.0643	<b>Pigtail E-2000™</b>  <b>PC, blue/blue, G.652.D yellow, C/2, 2.5 m</b> <b>PC, beige/turquoise, OM4 turquoise, Am/2, 2.5 m</b> <b>PC, beige/turquoise, OM4 turquoise, Bm/3, 2.5 m</b> <b>PC, beige/turquoise, OM3 turquoise, Am/2, 2.5 m</b> <b>PC, beige/turquoise, OM3 turquoise, Bm/3, 2.5 m</b>	12 12 12 12 12	R30964 R812513 R802914 R812512 R802915





# Pigtails LC

## Features

- Compact design (SFF). 1.25 mm ferrule technology
- Locking type latched push-pull
- Semi-tight buffer Ø 0.9 mm one side fitted with LC connector




Ordering Information	Description	PU	Part Number
 090.6516	<b>Pigtail LC APC, green,</b>  <b>G.652.D yellow, C/1, 2.5 m</b>	12	R803524
 090.6515	<b>Pigtail LC PC, beige,</b>  <b>OM4 turquoise, Am/2, 2.5 m</b> <b>OM4 turquoise, Bm/3, 2.5 m</b> <b>OM3 turquoise, Am/2, 2.5 m</b> <b>OM3 turquoise, Bm/3, 2.5 m</b>	12 12 12 12	R812517 R803549 R812516 R803548

## Pigtails SC

### Features

- Locking type push-pull
- Injection-molded PBT housing, UL-listed
- Semi-tight buffer (PA/PBT) with strip ability  $\geq 1.5$  m




Ordering Information	Description	PU	Part Number
 <p>090.7290</p>	<p><b>Pigtail SC</b></p> <p><b>APC, green, G.652.D yellow, C/1, 2.5 m</b></p> <p><b>PC, blue, G.652.D yellow, C/2, 2.5 m</b></p> <p><b>PC, beige, OM4 turquoise, Am/2, 2.5 m</b></p> <p><b>PC, beige, OM4 turquoise, Bm/3, 2.5 m</b></p> <p><b>PC, beige, OM3 turquoise, Am/2, 2.5 m</b></p> <p><b>PC, beige, OM3 turquoise, Bm/3, 2.5 m</b></p>	<p>12</p> <p>12</p> <p>12</p> <p>12</p> <p>12</p> <p>12</p>	<p>R31015</p> <p>R31014</p> <p>R812515</p> <p>R802912</p> <p>R812514</p> <p>R307388</p>

# Patch Cords E-2000™

## Features

- The connector housing fully protects the ferrule against dust, dirt and scratching
- Integrated spring-loaded shutters for dust and scratching protection
- LSZH cable sheath
- Locking type latched push-pull
- Injection-molded PBT housing, UL-listed



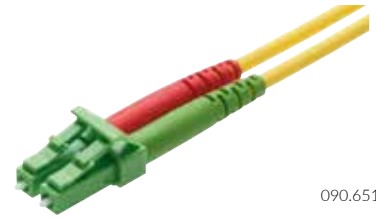
 Different lengths and fiber types on request.

Ordering Information	Description	PU	Part Number
 090.6741	<b>Patch Cord E-2000™ APC - E-2000™ APC, green/green,</b> Both sides fitted with one E-2000™ APC 8° connector. Connector color: green. Lever color: green. Fiber: SM E9/125 G.652.D (OS1, OS2). Cable: Ø 3.0 mm, yellow.		
	<b>G.652.D, C/1, Ø 3.0mm, 2 m</b>	1	R30979
	<b>G.652.D, C/1, Ø 3.0mm, 3 m</b>	1	R30980
	<b>G.652.D, C/1, Ø 3.0mm, 5 m</b>	1	R30982
 090.6742	<b>Patch Cord E-2000™ PC - E-2000™ PC, blue/blue,</b> Both sides fitted with one E-2000™ PC connector. Connector color: blue. Lever color: blue. Fiber: SM E9/125 G.652.D (OS1, OS2). Cable: Ø 3.0 mm, yellow.		
	<b>G.652.D, C/2, Ø 3.0mm, 2 m</b>	1	R30969
	<b>G.652.D, C/2, Ø 3.0mm, 3 m</b>	1	R30970
	<b>G.652.D, C/2, Ø 3.0mm, 5 m</b>	1	R30972

## Patch Cords LC-Duplex

### Features

- Compact design (SFF)
- 1.25 mm ferrule technology
- Locking type latched push-pull
- LSZH cable sheath
- UL-listed



090.6511


**i** Different lengths and fiber types on request.

Ordering Information	Description	PU	Part Number
<p>090.6508</p>	<p><b>Patch Cord LC-Duplex PC - LC-Duplex PC, beige/turquoise,</b> Both sides fitted with LC-Duplex PC connector. Connector color: beige. Lever color: turquoise. Fiber: MM G50/125 (OM3). Cable: F8 2.0x4.1 mm, turquoise.</p>		
	<b>OM3, Bm/3, F8 2.0x4.1mm, 1 m</b>	1	R323063
	<b>OM3, Bm/3, F8 2.0x4.1mm, 2 m</b>	1	R323064
	<b>OM3, Bm/3, F8 2.0x4.1mm, 3 m</b>	1	R323065
	<b>OM3, Bm/3, F8 2.0x4.1mm, 5 m</b>	1	R323066
	<b>OM3, Bm/3, F8 2.0x4.1mm, 10 m</b>	1	R802190
<p>090.6508</p>	<p><b>Patch Cord LC-Duplex PC - LC-Duplex PC, beige/turquoise,</b> Both sides fitted with LC-Duplex PC connector. Connector color: beige. Lever color: turquoise. Fiber: MM G50/125 (OM4), bend-optimized. Cable: F8 2.0x4.1 mm, turquoise.</p>		
	<b>OM4, Bm/3, F8 2.0x4.1mm, 1 m</b>	1	R802250
	<b>OM4, Bm/3, F8 2.0x4.1mm, 2 m</b>	1	R802251
	<b>OM4, Bm/3, F8 2.0x4.1mm, 3 m</b>	1	R802252
	<b>OM4, Bm/3, F8 2.0x4.1mm, 5 m</b>	1	R802253
	<b>OM4, Bm/3, F8 2.0x4.1mm, 10 m</b>	1	R805239


# Patch Cords, SC

## Features

- LSZH cable sheath
- Locking type push-pull
- Injection-molded PBT housing, UL-listed

 Different lengths and fiber types on request.

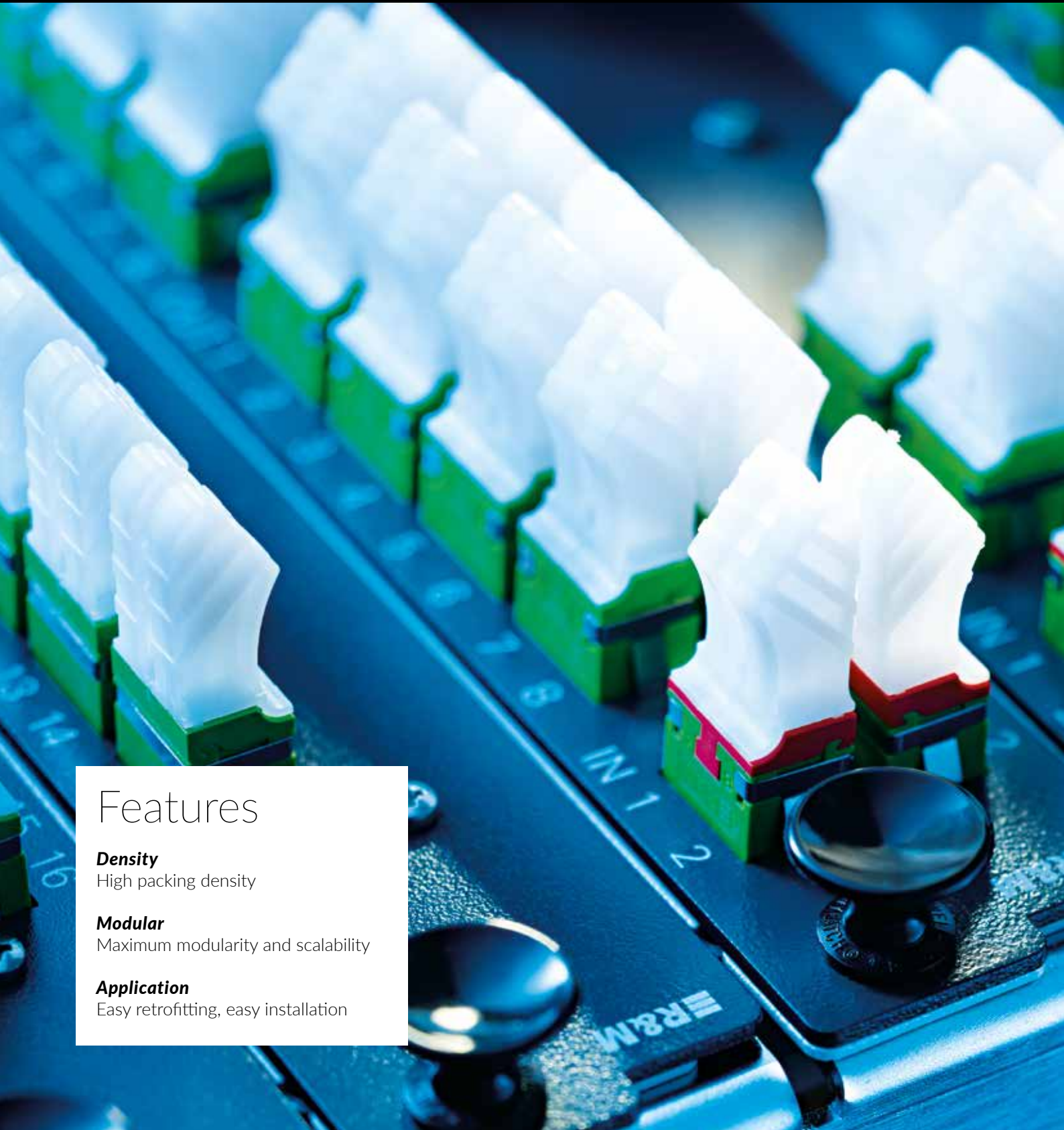


Ordering Information	Description	PU	Part Number
 <p>090.2360</p>	<p><b>Patch Cord SC APC - SC APC, green,</b>            Both sides fitted with SC APC 8° connector.            Connector color: green.            Fiber: SM E9/125 G.652.D (OS1, OS2).            Cable: Ø 3.0 mm, yellow.</p>		
	<p><b>G.652.D, C/1, Ø 3.0mm, 2 m</b></p>	1	R31026
	<p><b>G.652.D, C/1, Ø 3.0mm, 3 m</b></p>	1	R31027
	<p><b>G.652.D, C/1, Ø 3.0mm, 5 m</b></p>	1	R31029
	<p><b>G.652.D, C/1, Ø 3.0mm, 10 m</b></p>	1	R301449



**Patch Cord SC APC - SC APC, green,**  
 Both sides fitted with SC APC 8° connector.  
 Connector color: green.  
 Fiber: SM E9/125 G.652.D (OS1, OS2).  
 Cable: Ø 3.0 mm, yellow..

# Passive Network Components



## Features

### **Density**

High packing density

### **Modular**

Maximum modularity and scalability

### **Application**

Easy retrofitting, easy installation



## Passive Network Components

### Scope of supply

- PLC splitter pre-assembled, Test report (100% tested)
- Available with E-2000, SC and LC duplex, other connectors on request



030.5613

### Performance Specifications:

Port configuration	1x4	1x8	1x16	1x32	1x64
Mode type	SM 9/125μm (E9)				
Operating Wavelength	1260-1650nm				
Max. Insertion Loss@1310nm and 1550nm	≤ 7.0dB	≤ 10.4dB	≤ 13.5dB	≤ 17.0dB	≤ 20.5dB
Max. Insertion Loss@1260nm and 1650nm	≤ 7.4dB	≤ 10.8dB	≤ 14.0dB	≤ 17.4dB	≤ 21.0dB
Uniformity	≤ 0.8dB	≤ 1.0dB	≤ 1.3dB	≤ 1.5dB	≤ 1.8dB
Polarization Dependent Loss	≤ 0.2dB		≤ 0.3dB		≤ 0.4dB
Directivity	≥ 55dB				
Reflectance	≥ 50dB				
Operating Temperature	-40°C~+85°C				
Storage Temperature	-40°C~+85°C				
Package Dimension 250μm fiber	40(L)x4.0(W)x4.0(H)mm		45(L)x5.0(W) x4.0(H)mm	60(L)x7.0(W) x4.0(H)mm	60(L)x12.0(W) x4.0(H)mm
Package Dimension 0.9mm loose tube	60(L)x7(W)x4(H) mm				

### Performance Specifications:

Port configuration	2x4	2x8	2x16	2x32	2x64
Mode type	SM 9/125μm (E9)				
Operating Wavelength	1260-1650nm				
Max. Insertion Loss@1310nm and 1550nm	≤ 7.5dB	≤ 10.8dB	≤ 13.8dB	≤ 17.5dB	≤ 21.5dB
Max. Insertion Loss@1260nm and 1650nm	≤ 7.9dB	≤ 11.4dB	≤ 14.7dB	≤ 17.9dB	≤ 22.0dB
Uniformity	≤ 1.5dB		≤ 2.0dB	≤ 2.5dB	≤ 3.0dB
Polarization Dependent Loss	≤ 0.3dB		≤ 0.4dB		≤ 0.5dB
Directivity	≥ 55dB				
Reflectance	≥ 50dB				
Operating Temperature	-40°C~+85°C				
Storage Temperature	-40°C~+85°C				
Package Dimension 250μm fiber	45(L)x5.0(W)x4.0(H)mm		60(L)x7.0(W) x4.0(H)mm	60(L)x7.0(W) x4.0(H)mm	60(L)x12.0(W) x4.0(H)mm
Package Dimension 0.9mm loose tube	70(L)x7(W)x4(H)mm				





# Fibermanagement Products



## Features

### **Individual**

Splice trays arrangement

### **Modular**

Multifunctional and modular system

### **Design**

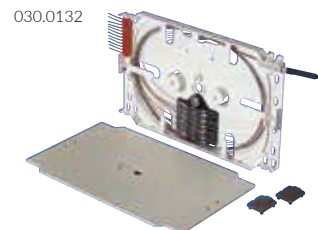
Compact splice trays with hinge



## Splice Trays, Radius 30 mm

### Features





- Capacity of 12 or 24 splice connections
- Stackable trays with hinges
- Min. 1.5 m spare length per fiber
- Cover to snap onto trays
- Storing option for unspliced fibers
- Bending radius 30 mm

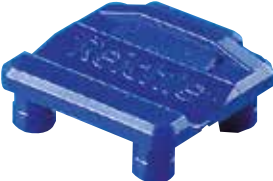

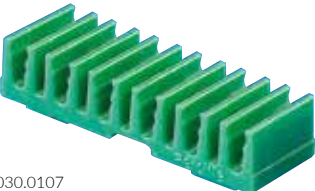
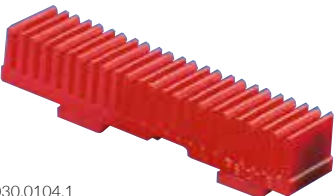


Ordering Information	Description	PU	Part Number
	<p><b>Splice Tray R30, white</b>            Color: pure white (RAL 9010).            Material: plastic (ABS).            Dimensions: 92x8x155 mm (WxHxD).</p>	100	R837965
	<p><b>Cover Splice Tray R30, white</b>            Cover for Splice Tray R30. To protect the fibers.            Hinged fastening.            Color: pure white (RAL 9010).            Material: plastic (ABS).            Dimensions: 92x2x155 mm (WxHxD).</p>	100	R839780
	<p><b>Laser sign</b>            Dimensions: 28x34 mm</p>	100	R840194

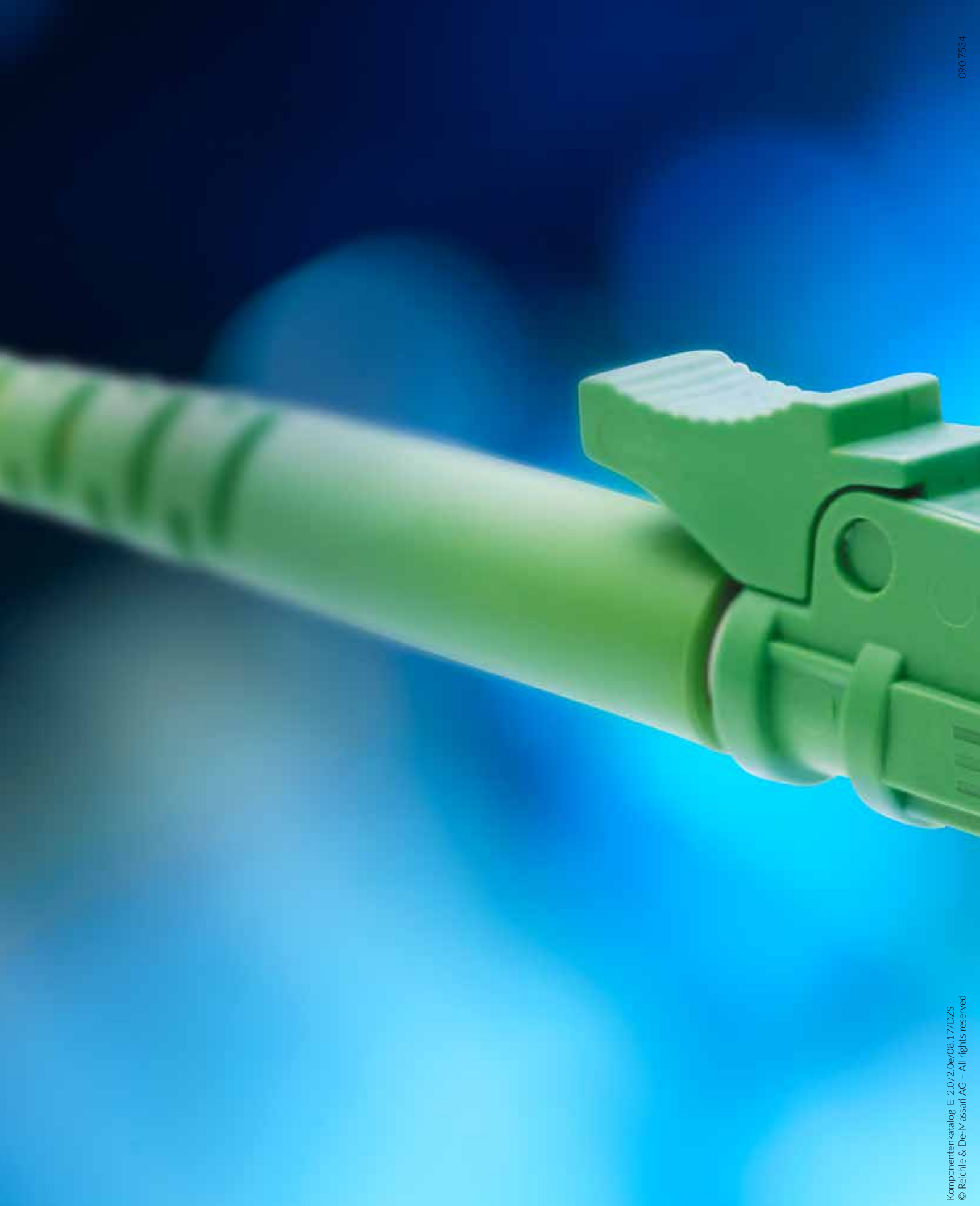
# Splice Trays, Accessories



Ordering Information	Description	PU	Part Number
 <p>030.5732</p>	<p><b>Splice Holder, splice protection ANT</b></p> <p>Suitable for splice trays radius 30/35/40 mm. Max. capacity: 12 ANT splice protections.</p> <p>Color: black.</p> <p>Material: plastic (PA66).</p> <p>Dimensions: 40x5x35 mm (WxHxD).</p> <p>Supplied:</p> <ul style="list-style-type: none"> <li>• Splice holder</li> <li>• Plastic screw</li> </ul>	100	R839781
 <p>030.5733</p>	<p><b>Splice Holder, 6x shrink splice protection</b></p> <p>Suitable for splice trays radius 30/35/40 mm. Max. capacity: 6 heat shrink splice protection.</p> <p>Color: black.</p> <p>Material: plastic (POM).</p> <p>Dimensions: 27x5x37 mm (WxHxD).</p> <p>Supplied:</p> <ul style="list-style-type: none"> <li>• Splice holder</li> <li>• Plastic screw</li> </ul> <p><b>i</b> Applicable for heat shrinks with a diameter from 2.4 mm up to 2.6 mm.</p>	100	R839782
 <p>030.5734</p>	<p><b>Splice Holder, 12x shrink splice protection</b></p> <p>Suitable for splice trays radius 30/35/40 mm. Max. capacity: 12 (2x6) heat shrink splice protection.</p> <p>Color: black.</p> <p>Material: plastic (POM).</p> <p>Dimensions: 34x6.2x32 mm (WxHxD).</p> <p>Supplied:</p> <ul style="list-style-type: none"> <li>• Splice holder</li> <li>• Plastic screw</li> </ul> <p><b>i</b> Applicable for heat shrinks with a diameter from 2.4 mm up to 2.6 mm.</p>	100	R839783
 <p>090.7733</p> <p>090.7730</p>	<p><b>Heat Shrink Splice Protection</b></p> <p>Shrink tube (Ø 3 mm), after shrink age (Ø 2.5 mm) with metal insert.</p> <p><b>60 mm</b> 100 R839784</p> <p><b>45 mm</b> 100 R839785</p> <p><b>35 mm</b> 100 R839786</p>	100 100 100	R839784 R839785 R839786
<p><b>ANT Splice Protector</b></p>		150	R840193

Ordering Information	Description	PU	Part Number
 <p data-bbox="113 501 185 521">030.0101</p>	<p data-bbox="539 293 911 322"><b>Film Hinge Splice Tray R30/R40, blue</b></p> <p data-bbox="539 327 1262 356">For fastening stacked splice trays. Suitable for splice trays radius 30/40 mm.</p> <p data-bbox="539 360 647 389">Color: blue.</p> <p data-bbox="539 394 764 423">Material: plastic (PA66).</p> <p data-bbox="539 427 906 456">Dimensions: 12x5.5x13 mm (WxHxD).</p>	100	R839787
 <p data-bbox="113 741 185 761">030.5736</p>	<p data-bbox="539 584 874 613"><b>Insert Hinge Splice Tray R30, gray</b></p> <p data-bbox="539 618 1246 647">For fastening the splice tray covers. Suitable for splice trays radius 30 mm.</p> <p data-bbox="539 651 738 680">Material: plastic (PP).</p> <p data-bbox="539 685 890 714">Dimensions: 15x5x18 mm (WxHxD).</p>	100	R839788
 <p data-bbox="113 1010 185 1030">030.0107</p>	<p data-bbox="539 842 956 871"><b>Strain Relief 6 Fibers Ø 1.9-2.1 mm, green</b></p> <p data-bbox="539 875 1222 904">For the strain relief of 6 FO individual optical fibers of Ø 1.9 to 2.1 mm.</p> <p data-bbox="539 909 954 938">To snap onto splice trays radius 30/40 mm.</p> <p data-bbox="539 943 663 972">Color: green.</p> <p data-bbox="539 976 740 1005">Material: plastic (PC).</p> <p data-bbox="539 1010 895 1039">Dimensions: 25x8x7.5 mm (WxHxD).</p>	100	R839790
 <p data-bbox="113 1335 201 1355">030.0104.1</p>	<p data-bbox="539 1155 946 1184"><b>Strain Relief 24 Fibers Ø 0.9-1.1 mm, red</b></p> <p data-bbox="539 1189 1235 1218">For the strain relief of 24 FO individual optical fibers of Ø 0.9 to 1.1 mm.</p> <p data-bbox="539 1223 943 1252">To snap onto splice tray radius 30/40 mm.</p> <p data-bbox="539 1256 639 1285">Color: red.</p> <p data-bbox="539 1290 740 1319">Material: plastic (PC).</p> <p data-bbox="539 1323 895 1352">Dimensions: 33x6x5.4 mm (WxHxD).</p>	100	R839789





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