

FIBER OPTIC CABLE ASSEMBLIES



**ECO RANGE**

## PIGTAILS

|   |  |  |  |
|---|--|--|--|
| Set of 12 colored pigtails / 900µm / 2 meters length  |  |  |  |
| Color buffer : RED / GREEN / BLUE / YELLOW / WHITE / GREY / BROWN / PURPLE / AQUA / BLACK / ORANGE / PINK |  |  |  |

| Connector | Fiber type         | Part Number    |
|-----------|--------------------|----------------|
| SCUPC     | Singlemode 9/125   | ESC9X12C09S2M  |
| SCAPC     | Singlemode 9/125C  | ESCA9X12C09S2M |
| SC        | Multimode 50/125   | ESC50X12C09S2M |
| SC        | Multimode 62,5/125 | ESC62X12C09S2M |
| LCUPC     | Singlemode 9/125   | ELC9X12C09S2M  |
| LCAPC     | Singlemode 9/125C  | ELCA9X12C09S2M |
| LC        | Multimode 50/125   | ELC50X12C09S2M |
| LC        | Multimode 62,5/125 | ELC62X12C09S2M |

|  |  |  |  |
|--|--|--|--|
| Unit pigtail / 900µm / 2 meters length |  |  |  |
|--|--|--|--|

| Connector | Color buffer | Fiber type         | Part Number |
|-----------|--------------|--------------------|-------------|
| LC        | green        | Multimode 50/125   | ELC50XC092M |
| LC        | blue         | Multimode 62,5/125 | ELC62XC092M |
| LCUPC     | yellow       | Singlemode 9/125   | ELC9XC092M  |
| LCAPC     | yellow       | Singlemode 9/125   | ELCA9XC092M |
| SC        | green        | Multimode 50/125   | ESC50XC092M |
| SC        | blue         | Multimode 62,5/125 | ESC62XC092M |
| SCUPC     | yellow       | Singlemode 9/125   | ESC9XC092M  |
| SCAPC     | yellow       | Singlemode 9/125   | ESCA9XC092M |
| ST        | green        | Multimode 50/125   | EST50XC092M |
| ST        | blue         | Multimode 62,5/125 | EST62XC092M |
| ST        | yellow       | Singlemode 9/125   | EST9XC092M  |

## ADAPTORS

### SC

| Part number | Alignment sleeve | Color (for plastic shells) | type    |
|-------------|------------------|----------------------------|---------|
| EF728703800 | PH/BR            | beige                      | simplex |
| EF728703000 | Ceraluc          | blue                       | simplex |
| EF728703100 | Ceramic          | b-green                    | simplex |
| EF728743800 | PH/BR            | beige                      | duplex  |
| EF728743000 | Ceraluc          | blue                       | duplex  |
| EF728743100 | Ceramic          | B-green                    | duplex  |

### LC

| Part number | Alignment sleeve | Color (for plastic shells) | type   |         |
|-------------|------------------|----------------------------|--------|---------|
| EF727752800 | PH/BR            | beige                      | duplex | SC      |
| EF727752000 | CERAM            | blue                       | duplex | SC      |
| EF727751802 | PH/BR            | beige                      | duplex | RJ45/LP |

### ST

| Part number | Alignment sleeve | Color (for plastic shells) | type    |
|-------------|------------------|----------------------------|---------|
| EF709722000 | PH/BR            |                            | simplex |
| EF709730000 | CERAM            |                            | simplex |



## DUPLEX PATCHCORDS

| Connector | Length (meters) | LC / LC DUPLEX<br>Multimode 50/125<br>Cable 2x2mm dia | LC / LCDUPLEX<br>Multimode 62,5/125<br>Cable 2x2mm dia | LCUPC / LCUPC<br>DUPLEX<br>Singlemode 9/125<br>Cable 2x2mm dia | LCAPC / LCAPC<br>DUPLEX<br>Singlemode 9/125<br>Cable 2x2mm dia |
|-----------|-----------------|---|--|--|--|
| LC to LC  | 1               | ELC50LCC2D1M  | ELC62LCC2D1M   | ELC9LCC2D1M  | ELCA9LCAC2D1M  |
|           | 2               | ELC50LCC2D2M  | ELC62LCC2D2M   | ELC9LCC2D2M  | ELCA9LCAC2D2M  |
|           | 3               | ELC50LCC2D3M  | ELC62LCC2D3M   | ELC9LCC2D3M  | ELCA9LCAC2D3M  |
|           | 5               | ELC50LCC2D5M  | ELC62LCC2D5M   | ELC9LCC2D5M  | ELCA9LCAC2D5M  |
|           | 10              | ELC50LCC2D10M   | ELC62LCC2D10M  | ELC9LCC2D10M   | ELCA9LCAC2D10M   |
|           | 15              | ELC50LCC2D15M   | ELC62LCC2D15M  | ELC9LCC2D15M   | ELCA9LCAC2D15M   |

| Connector | Length (meters) | SC/SCDUPLEX<br>Multimode 50/125<br>Cable 2x3mm dia | SC/SC DUPLEX<br>Multimode 62,5/125<br>Cable 2x3mm dia | SCUPC / SCUPC<br>DUPLEX<br>Singlemode 9/125<br>Cable 2x3mm dia | SCAPC /SCAPC<br>DUPLEX<br>Singlemode 9/125<br>Cable 2x3mm dia |
|-----------|-----------------|--|---|--|---|
| SC to SC  | 1               | ESC50SCC3D1M                                       | ESC62SCC3D1M  | ESC9SCC3D1M  | ESCA9SCAC3D1M   |
|           | 2               | ESC50SCC3D2M                                       | ESC62SCC3D2M  | ESC9SCC3D2M  | ESCA9SCAC3D2M   |
|           | 3               | ESC50SCC3D3M                                       | ESC62SCC3D3M  | ESC9SCC3D3M  | ESCA9SCAC3D3M   |
|           | 5               | ESC50SCC3D5M                                       | ESC62SCC3D5M  | ESC9SCC3D5M  | ESCA9SCAC3D5M   |
|           | 10              | ESC50SCC3D10M                                      | ESC62SCC3D10M   | ESC9SCC3D10M   | ESCA9SCAC3D10M  |
|           | 15              | ESC50SCC3D15M                                      | ESC62SCC3D15M   | ESC9SCC3D15M   | ESCA9SCAC3D15M  |

| Connector | Length (meters) | ST/ST DUPLEX M<br>ultimode 50/125<br>Cable 2x3mm dia | ST/ST DUPLEX<br>Multimode 62,5/125<br>Cable 2x3mm dia | ST/ST DUPLEX<br>Singlemode 9/125<br>Cable 2x3mm dia |
|-----------|-----------------|--|---|---|
| ST to ST  | 1               | EST50STC3D1M   | EST62STC3D1M  | EST9STC3D1M   |
|           | 2               | EST50STC3D2M   | EST62STC3D2M  | EST9STC3D2M   |
|           | 3               | EST50STC3D3M   | EST62STC3D3M  | EST9STC3D3M   |
|           | 5               | EST50STC3D5M   | EST62STC3D5M  | EST9STC3D5M   |
|           | 10              | EST50STC3D10M  | EST62STC3D10M   | EST9STC3D10M  |
|           | 15              | EST50STC3D15M  | EST62STC3D15M   | EST9STC3D15M  |

| Connector | Length (meters) | SC/ST DUPLEX<br>Multimode 50/125<br>Cable 2x3mm dia | SC/ST DUPLEX<br>Multimode 62,5/125<br>Cable 2x3mm dia | SCUPC/ST DUPLEX<br>Singlemode Cable<br>2x3mm dia |
|-----------|-----------------|---|---|--|
| SC to ST  | 1               | ESC50STC3D1M  | ESC62STC3D1M  | ESC9STC3D1M                                      |
|           | 2               | ESC50STC3D2M  | ESC62STC3D2M  | ESC9STC3D2M                                      |
|           | 3               | ESC50SCC3D3M  | ESC62STC3D3M  | ESC9STC3D3M                                      |
|           | 5               | ESC50STC3D5M  | ESC62STC3D5M  | ESC9STC3D5M                                      |
|           | 10              | ESC50STC3D10M                                       | ESC62STC3D10M   | ESC9STC3D10M                                     |
|           | 15              | ESC50STC3D15M                                       | ESC62STC3D15M   | ESC9STC3D15M                                     |

| Connector | Length (meters) | SC/LC DUPLEX<br>Multimode 50/125<br>Cable 2x2mm dia | SC/LC DUPLEX<br>Multimode 62,5/125<br>Cable 2x2mm dia | SCUPC/LCUPC DUPLEX<br>Singlemode 9/125<br>Cable 2x2mm dia |
|-----------|-----------------|---|---|---|
| SC to LC  | 1               | ESC50LCC2D1M  | ESC62LCC2D1M  | ESC9LCC2D1M   |
|           | 2               | ESC50LCC2D2M  | ESC62LCC2D2M  | ESC9LCC2D2M   |
|           | 3               | ESC50LCC2D3M  | ESC62LCC2D3M  | ESC9LCC2D3M   |
|           | 5               | ESC50LCC2D5M  | ESC62LCC2D5M  | ESC9LCC2D5M   |
|           | 10              | ESC50LCC2D10M                                       | ESC62LCC2D10M   | ESC9LCC2D10M  |
|           | 15              | ESC50LCC2D15M                                       | ESC62LCC2D15M   | ESC9LCC2D15M  |

| Connector      | Length (meters) | SCUPC/SCAPC DUPLEX<br>Singlemode 9/125<br>Cable 2x3mm dia |
|----------------|-----------------|---|
| SCUPC to SCAPC | 1               | ESC9SCA3CD1M  |
|                | 2               | ESC9SCA3CD2M  |
|                | 3               | ESC9SCA3CD3M  |
|                | 5               | ESC9SCA3CD5M  |
|                | 10              | ESC9SCA3CD10M   |
|                | 15              | ESC9SCA3CD15M   |

## SIMPLEX PATCHCORDS

| Connector | Length (meters) | LC / LCSIMPLEX Multimode 50/125 Cable 2x2mm dia | LC / LC SIMPLEX Multimode 62,5/125 Cable 2x2mm dia | LCUPC / LCUPC SIMPLEX Singlemode 9/125 Cable 2x2mm dia | LCAPC / LCAPC SIMPLEX Singlemode 9/125 Cable 2x2mm dia |
|-----------|-----------------|---|--|--|--|
| LC to LC  | 1               | ELC50LCC2S1M                                    | ELC62LCC2S1M                                       | ELC9LCC2S1M  | ELCA9LCAC2S1M  |
|           | 2               | ELC50LCC2S2M                                    | ELC62LCC2S2M                                       | ELC9LCC2S2M  | ELCA9LCAC2S2M  |
|           | 3               | ELC50LCC2S3M                                    | ELC62LCC2S3M                                       | ELC9LCC2S3M  | ELCA9LCAC2S3M  |
|           | 5               | ELC50LCC2S5M                                    | ELC62LCC2S5M                                       | ELC9LCC2S5M  | ELCA9LCAC2S5M  |
|           | 10              | ELC50LCC2S10M                                   | ELC62LCC2S10M                                      | ELC9LCC2S10M   | ELCA9LCAC2S10M   |
|           | 15              | ELC50LCC2S15M                                   | ELC62LCC2S15M                                      | ELC9LCC2S15M   | ELCA9LCAC2S15M   |

| Connector | Length (meters) | SC/SC SIMPLEX Multimode 50/125 Cable 2x3mm dia | SC/SC DUPLEX Multimode 62,5/125 Cable 2x3mm dia | SCUPC / SCUPC DUPLEX Singlemode 9/125 Cable 2x3mm dia | SCAPC / SCAPC DUPLEX Singlemode 9/125 Cable 2x3mm dia |
|-----------|-----------------|--|---|---|---|
| SC to SC  | 1               | ESC50SCC3S1M                                   | ESC62SCC3S1M                                    | ESC9SCC3S1M   | ESCA9SCAC3S1M   |
|           | 2               | ESC50SCC3S2M                                   | ESC62SCC3S2M                                    | ESC9SCC3S2M   | ESCA9SCAC3S2M   |
|           | 3               | ESC50SCC3S3M                                   | ESC62SCC3S3M                                    | ESC9SCC3S3M   | ESCA9SCAC3S3M   |
|           | 5               | ESC50SCC3S5M                                   | ESC62SCC3S5M                                    | ESC9SCC3S5M   | ESCA9SCAC3S5M   |
|           | 10              | ESC50SCC3S10M                                  | ESC62SCC3S10M                                   | ESC9SCC3S10M  | ESCA9SCAC3S10M  |
|           | 15              | ESC50SCC3S15M                                  | ESC62SCC3S15M                                   | ESC9SCC3S15M  | ESCA9SCAC3S15M  |

| Connector | Length (meters) | ST/ST DUPLEX M Multimode 50/125 Cable 2x3mm dia | ST/ST DUPLEX Multimode 62,5/125 Cable 2x3mm dia | ST/ST DUPLEX Singlemode 9/125 Cable 2x3mm dia |
|-----------|-----------------|---|---|---|
| ST to ST  | 1               | EST50STC3S1M                                    | EST62STC3S1M                                    | EST9STS3S1M                                   |
|           | 2               | EST50STC3S2M                                    | EST62STC3S2M                                    | EST9STS3S2M                                   |
|           | 3               | EST50STC3S3M                                    | EST62STC3S3M                                    | EST9STS3S3M                                   |
|           | 5               | EST50STC3S5M                                    | EST62STC3S5M                                    | EST9STS3S5M                                   |
|           | 10              | EST50STC3S10M                                   | EST62STC3S10M                                   | EST9STS3S10M                                  |
|           | 15              | EST50STC3S15M                                   | EST62STC3S15M                                   | EST9STS3S15M                                  |

| Connector | Length (meters) | SC/ST DUPLEX Multimode 50/125 Cable 2x3mm dia | SC/ST DUPLEX Multimode 62,5/125 Cable 2x3mm dia | SCUPC/ST DUPLEX Singlemode Cable 2x3mm dia |
|-----------|-----------------|---|---|--|
| SC to ST  | 1               | ESC50STC3S1M                                  | ESC62STC3S1M                                    | ESC9STC3S1M                                |
|           | 2               | ESC50STC3S2M                                  | ESC62STC3S2M                                    | ESC9STC3S2M                                |
|           | 3               | ESC50STC3S3M                                  | ESC62STC3S3M                                    | ESC9STC3S3M                                |
|           | 5               | ESC50STC3S5M                                  | ESC62STC3S5M                                    | ESC9STC3S5M                                |
|           | 10              | ESC50STC3S10M                                 | ESC62STC3S10M                                   | ESC9STC3S10M                               |
|           | 15              | ESC50STC3S15M                                 | ESC62STC3S15M                                   | ESC9STC3S15M                               |

| Connector | Length (meters) | SC/LC DUPLEX Multimode 50/125 Cable 2x2mm dia | SC/LC DUPLEX Multimode 62,5/125 Cable 2x2mm dia | SCUPC/LCUPC DUPLEX Singlemode 9/125 Cable 2x2mm dia |
|-----------|-----------------|---|---|---|
| SC to LC  | 1               | ESC50LCC2S1M                                  | ESC62LCC2S1M                                    | ESC9LCC2S1M   |
|           | 2               | ESC50LCC2S2M                                  | ESC62LCC2S2M                                    | ESC9LCC2S2M   |
|           | 3               | ESC50LCC2S3M                                  | ESC62LCC2S3M                                    | ESC9LCC2S3M   |
|           | 5               | ESC50LCC2S5M                                  | ESC62LCC2S5M                                    | ESC9LCC2S5M   |
|           | 10              | ESC50LCC2S10M                                 | ESC62LCC2S10M                                   | ESC9LCC2S10M  |
|           | 15              | ESC50LCC2S15M                                 | ESC62LCC2S15M                                   | ESC9LCC2S15M  |

| Connector      | Length (meters) | SCUPC/SCAPC DUPLEX Singlemode 9/125 Cable 2x3mm dia |
|----------------|-----------------|---|
| SCUPC to SCAPC | 1               | ESC9SCA3CS1M  |
|                | 2               | ESC9SCA3CS2M  |
|                | 3               | ESC9SCA3CS3M  |
|                | 5               | ESC9SCA3CS5M  |
|                | 10              | ESC9SCA3CS10M                                       |
|                | 15              | ESC9SCA3CS15M                                       |

## General

|                      | SC          | LC           | ST          |
|----------------------|-------------|--------------|-------------|
| Connector standard   | IEC 61754-4 | IEC 61754-20 | IEC 1754-2  |
| Duplex clip          | Removable   | Removable    | -           |
| Mechanical endurance | 200 matings | 200 matings  | 500 matings |

## Cable structure

| Cable | 2mm/3mm cable dia. | 900µm buffer |
|-------|--------------------|--------------|
|       | Tight              | Loose        |

## Optical, environmental and mechanical performance

|  |                         |                          |                          |
|--|-------------------------|--------------------------|--------------------------|
| Insertion loss (mated with reference plug according to IEC61300-3-4) | 0.5 dB                  |                          |                          |
| Return losses  | Multimode PC<br>> 20 dB | Singlemode UPC<br>> 50dB | Singlemode APC<br>> 60dB |
| Temperature range (storage and operating)                            | - 20°C / +70°C          |                          |                          |
| Cable retention  | Buffer : 7N             | 2mm cable : 68 N         | 3mm cable : 100 N        |

## Identification color boots

|    | Simplex   |                |                | Duplex      |                |                |
|----|-----------|----------------|----------------|-------------|----------------|----------------|
|    | Multimode | Singlemode UPC | Singlemode APC | Multimode   | Singlemode UPC | Singlemode APC |
| LC | Beige     | Blue           | Green          | Black / Red | Black / Blue   | Black / Green  |
| SC | Beige     | Blue           | Green          | Black / Red | Black / Blue   | Black / Green  |
| ST | Black     | Blue           | -              | Black / Red | Black / Red    | -              |



AEROSPACE



AUTOMOTIVE



DEFENSE



INDUSTRIAL



INSTALMENTATION



MEDICAL



SPACE



TELECOM

## EUROPE

### France - RADIALL Headquarters

101, Rue Ph. Hoffmann  
93116 ROSNY sous BOIS (Paris)  
Tel.: +33 1 49 35 35 35 - Fax: +33 1 48 54 63 63  
E-Mail: info@radiall.com

### Finland - RADIALL SF

P.O. Box 202 - 90101 OULU  
Tel.: +358 407 522 412  
E-Mail: infofi@radiall.com

### Germany - RADIALL GmbH

Carl-Zeiss Str. 10 Postfach 200143  
D63307 - RÖDERMARK (Frankfurt)  
Tel.: +49 60 74 91 07 0 - Fax: +49 60 74 91 07 70  
E-Mail: infode@radiall.com

### Italy - RADIALL Elettronica S.R.L

Via Concordia, 5 - 20090 ASSAGO MILANO  
Tel.: +39 02 48 85 121 - Fax: +39 02 48 84 30 18  
E-Mail: infoit@radiall.com  
Regional office: Roma

### Netherlands - RADIALL B.V.

Hogebrinkerweg 15b - 3871 KM HOEVELAKEN  
Tel.: +31 33 253 40 09 - Fax: +31 33 253 45 12  
E-Mail: infofl@radiall.com

### Sweden - RADIALL A.B.

Sjöängsvägen 2 - SE-192 72 SOLLENTUNA (Stockholm)  
Tel.: +46 844 434 10 - Fax: +46 875 449 16  
E-Mail: infose@radiall.com

### U.K. - RADIALL Ltd

Ground Floor, 6 The Grand Union Office Park,  
Packet Boat Lane  
UXBRIDGE Middlesex UB8 2GH (London)  
Tel.: +44 1895 425 000 - Fax: +44 1895 425 010  
E-Mail: infouk@radiall.com

## NORTH AMERICA

### USA - RADIALL USA, Inc.

6825 West Galveston Street Suite 11  
CHANDLER, Arizona 85226  
Tel.: +1 480 682 9400 - Fax: +1 480 682 9403  
E-Mail: infousa@radiall.com

## ASIA

### China - SHANGHAI RADIALL Electronic Co., Ltd

N° 390 Yong He Road 200072 - SHANGHAI  
Tel.: +86 21 66 52 37 88 - Fax: +86 21 66 52 11 77  
E-Mail: infosh@radiall.com

### Japan - NIHON RADIALL

Shibuya-ku Ebisu 1-5-2, Kougetsu Bldg 405  
TOKYO 150-0013  
Tel.: +81 3 3440 6241 - Fax: +81 3 3440 6242  
E-Mail: infojp@radiall.com

### HongKong - RADIALL Electronics Ltd

Flat D, 6/F, Ford Glory Plaza,  
37-39 Wing Hong Street  
Cheung Sha Wan  
KOWLOON HONG KONG  
Tel: +852-2959-3833 - Fax: +852-2959-2636  
E-Mail: infohk@radiall.com

### India - RADIALL PROTECTRON pvt Ltd

25 D, II Phase, Peenya Industrial Area  
BANGALORE 560058  
Tel.: +91 80 83 95 271 - Fax: +91 80 83 97 228  
E-Mail: infoin@radiall.com

## ALSO REPRESENTED IN

|                |             |              |
|----------------|-------------|--------------|
| Australia      | Hungary     | Poland       |
| Austria        | Indonesia   | Russia       |
| Belgium        | Israel      | Singapore    |
| Brazil         | Korea       | Spain        |
| Czech Republic | Latvia      | Switzerland  |
| Denmark        | Lithuania   | Taiwan       |
| Estonia        | Malaysia    | Thailand     |
| Greece         | Norway      | Vietnam      |
|                | Philippines | South Africa |

For the above countries, please contact the local agent or RADIALL at info@radiall.com

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9