

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



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INSTALMENTATION



MEDICAL



SPACE



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| Czech Republic | Latvia      | Switzerland  |
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| 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>

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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

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