

FIBER OPTIC CABLE ASSEMBLIES



**ECO RANGE**

**RADIALL**   
The next connexion

## 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 ultimode 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



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INSTALMENTATION



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## ALSO REPRESENTED IN

|                |             |              |
|----------------|-------------|--------------|
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| 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

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