

## FIBERFOX SPLIT

Multichannel solution based on FIBERFOX EBC15 & EBC25 in 2 and/or 4CH variation. Excellent cable retention due to aramid yarn, black PUR outer jacket.

The FIBERFOX 2CH Cable connector is an expanded beam multimode hermaphroditic connector suited for a vast array of applications, including Lighting, Network, PA, Video, Broadcast, Defense & Government, Railway and Petrochemical. The innovative design ensures its ability for deployment in the toughest environments where constant performance and total reliability are critical. The connector is designed according to the MIL-DTL-83526 standard and fits to all other connectors with this standard.

The cable connector comes pre-assembled and is not available as a single component. The cable is available in different lengths and is packed either in a case, on drum or airspool.

Customer specific solutions are available on request. Standard variations offer TRIPLE SPLIT (3\*FIBERFOX 2CH or 3\* FF 4CH) and QUAD SPLIT (4\*FIBERFOX 2CH)





## Features & Benefits

- ✓ TRIPLE SPLIT (3\*FIBERFOX 2CH or 3\*FF 4CH)
- ✓ QUAD SPLIT (4\*FF 2CH)
- ✓ Multichannel solution based on FIBERFOX EBC15 & EBC25 in 2 and/or 4CH
- ✓ maximum flexibility combining 2- and 4-channel cables
- ✓ Multi mode fiber cables offer laser and bend optimized OM3 fibers
- ✓ 1 m SPLIT: mechanically damaged connectors can be reassembled with a slightly shortened cable split
- ✓ Rugged fiber optic connection system
- ✓ For Point-to-Point multichannel routing
- ✓ Dust and water resistant according to IP68 (1m for 60 min)

## Cable cross section



Packaging options and max. cable length



**0**  
Airspool

**< 2000 m**



**3**  
Drum Schill GT380

**DUO-SPLIT on request**



**4**  
Drum Schill HT582

**< 300 m**



**5**  
Drum Schill GT450

**< 200 m**

Technical Information

| Product |                |
|---------|----------------|
| Title   | FIBERFOX SPLIT |

| Mechanical             |   |
|------------------------|---|
| Cable retention        | 500 N                                       |
| Lifetime (typ.)        | 1'800N                                      |
| Tensile Strength       | 1'800N                                      |
| Compressive load       | 50'000N                                     |
| Free fall resistance   | 500 falls onto concrete from 1.2M height    |
| Bump resistance        | 4000 bumps @ 40g acceleration               |
| Vibrational Sinusoidal | 10-500Hz, 0.75 amplitude @ 10g acceleration |

| Material      |               |
|---------------|---------------|
| Boot          | Rubber (EPDM) |
| Insert        | Steel         |
| Shell         | Aluminium     |
| Shell plating | Hard anodize  |
| Strain relief | Brass         |

| Environmental     |                  |
|-------------------|------------------|
| Flammability      | UL 94 V-0        |
| Protection Class  | IP65             |
| Compatibility     | MIL-DTL-83526    |
| Temperature range | -40 °C to +70 °C |

| Optical                        |   |
|--------------------------------|---|
| Insertion Loss                 | Typ. 1.5dB per connection / Max. 2.5dB per connection |
| Optical Connector              | EBC15 (ruby red) or EBC25 (government version)        |
| Optical wiring ISO / IEC 11801 | ISO / IEC 11801                                       |

| Mobile cable           |                    |
|------------------------|--------------------|
| Colour                 | black, shiny       |
| Core diameter          | Multimode 50µm OM3 |
| Cladding diameter      | 125 µm             |
| Minimal bending radius | 10.9 cm            |
| Number of fibers       | up to 12           |
| Cable retention        | Aramid yarn        |
| Weight                 | 103 kg/km          |
| Cable diameter         | 10.9 mm            |