

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