

DIAMOND

Fiber Optic Components

Break-Out

SINGLE MODE PC/APC
MULTIMODE PC

CABLE ASSEMBLIES AND ADAPTERS

DIAMOND's BREAK-OUT cabling system is an easy and secure solution to perform fiber optic installations with no need for expensive tools and equipment. The Break-Out trunk cable contains fiber of the customer's choice. Each fiber is terminated with the connectors requested by the customer. For delivery, DIAMOND's BREAK-OUT cabling system is well protected in an especially designed packaging, which includes measuring protocols of each channel.

This solution is recommended where.... (Application area)

- ... no rodent protection is demanded
- ... the trunk cable is max. 80m long
- ... preterminated cabling systems are preferred
- ... you want to save the costs for splicing and measuring equipment
- ... a manufacturer warranty is desired

FEATURES AND BENEFITS

- ▶ Customer-specific cable length available
- ▶ Fiber types: MM 50 μm , MM 62.5 μm and SM 9 μm
- ▶ Available in a wide assortment of connector styles including: E-2000®, F-3000®, FC, SC, ST™, MT-RJ,
- ▶ Armored Cable with Pulling-eye (optional)
- ▶ Color coding for channel identification
- ▶ Supplied as air ring or on reel
- ▶ Attenuations test report included

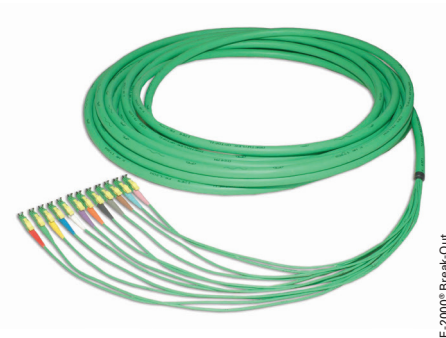
SPECIFICATIONS

- Connector: - according to IEEE and ITU Standards
- Cord Length: - from 0.5m to 10m available
- Cord identification: - according color code Swisscom/DIN/IEC/TIA Standard (int.)
- optional with channel numbering
- Cord protection: - optional connecteur protection

CABLE TYPE	SM 9 μm	MM 50 μm	MM 62.5 μm	UNITS
max. Insertion Loss (IL)	0.36 (1310nm) 0.25 (1550nm)	2.7 (850nm) 0.7 (1300nm)	3.0 (850nm) 0.7 (1300nm)	dB/km
Operating temperature	-10 +60*			°C
Storage temperature	-10 +60*			°C

* May be further limited by cable specifications.

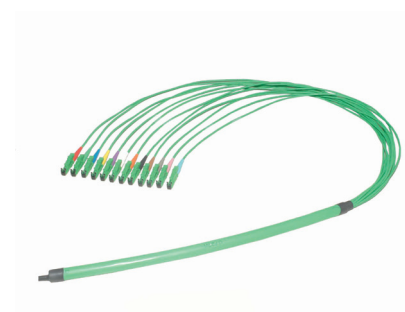
NOTE Please refer to the connector datasheets for performance specifications.



E-2000® Break-Out

CABLE SPECIFICATIONS

CABLE	BREAK-OUT CABLE					UNITS	TEST CONDITIONS
	2	4	6	8	12		
Number of fibers	2	4	6	8	12	Pieces	
Diameter of cable	7.4	7.4	9.0	10.2	11.2	mm	
Tensile Load	1000	1000	1000	1000	1000	N	EN 60794-1-2 E1
Bend Radius	95	95	120	145	165	mm	EN 60794-1-2 E11
Crush Resistance	100	100	100	100	100	N/cm	EN 60794-1-2 E3



E-2000® Break-Out



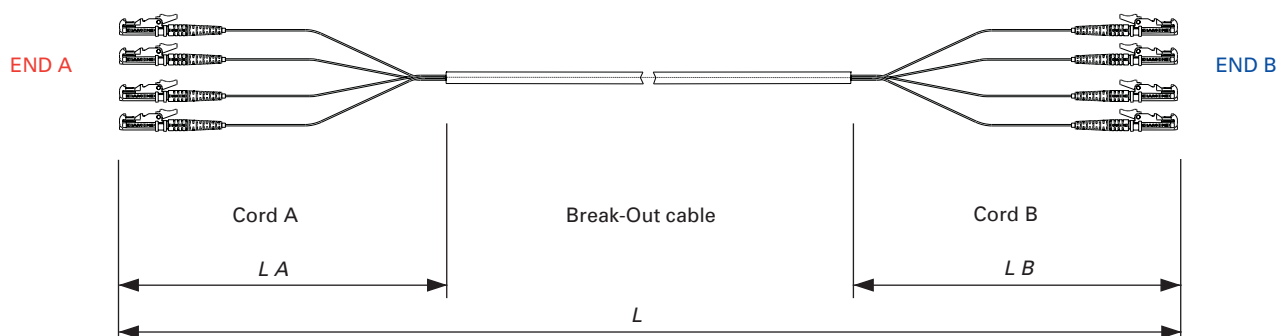
E-2000® Break-Out Protection

Cable type: - Indoor applications, up to 12 Fibers (FR/LSOH)

Fiber type: - MM 50µm or MM62.5/125µm
 - MM 50µm OM3
 - SM 9µm G.652, G.652c, G.652d, G.652e
 - SM 9µm G.655

Fiber count: 2/4/6/8/10/12 Fibers (others available upon request)

ORDER INFORMATION



END A		Break-Out Cable		END B* <input type="checkbox"/> No Assembly	
Connector type	Cord	Cable	Fibers	Connector type	Cord
Conn. count ____ max. 12 Pcs. <input type="checkbox"/> E-2000® <input type="checkbox"/> F-3000® <input type="checkbox"/> FC <input type="checkbox"/> SC <input type="checkbox"/> ST™ <input type="checkbox"/> DiaLink male <input type="checkbox"/> ____	Length <i>L A</i> _____ min. 0.5 m max. 10 m Staggering (40 mm) <input type="checkbox"/> Yes (Standard) <input type="checkbox"/> No Cord Protection A <input type="checkbox"/> Connector <input type="checkbox"/> No Protection	Cable type <input type="checkbox"/> Indoor, up to 12 Fibers <input type="checkbox"/> ____ Cable length <i>L</i> _____ m <input type="checkbox"/> Delivered as air ring (Standard max. 100m) <input type="checkbox"/> Delivered on reel (Standard min. 100m)	Fiber type <input type="checkbox"/> SM 9/125µm <input type="checkbox"/> MM 50/125µm <input type="checkbox"/> MM 50/125µm OM3 <input type="checkbox"/> MM 50/125µm OM4 <input type="checkbox"/> MM 62,5/125µm <input type="checkbox"/> ____ Fiber count <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24 <input type="checkbox"/> ____	Conn. count ____ max. 12 Pcs. <input type="checkbox"/> E-2000® <input type="checkbox"/> F-3000® <input type="checkbox"/> FC <input type="checkbox"/> SC <input type="checkbox"/> ST™ <input type="checkbox"/> DiaLink male <input type="checkbox"/> ____ <input type="checkbox"/> 0° PC <input type="checkbox"/> 8° APC	Length <i>L B</i> _____ min. 0.5 m max. 10 m Staggering (40 mm) <input type="checkbox"/> Yes (Standard) <input type="checkbox"/> No Cord Protection B <input type="checkbox"/> Connector <input type="checkbox"/> No Protection Cord Identification B ** Color code according to: <input type="checkbox"/> DIN/IEC 304 <input type="checkbox"/> TIA-598-B <input type="checkbox"/> Single connector numbered

* Leave section B blank if one side of the assembly will be unterminated.

** Color coding and numbering combinations available upon request.