Breakout Line

This cabling system uses a cable composed of multiple single elements; the fibers are protected one by one by aramid yarn and a 2mm diameter cable, each one of these is number coded and jacketed with an ulterior sheath.
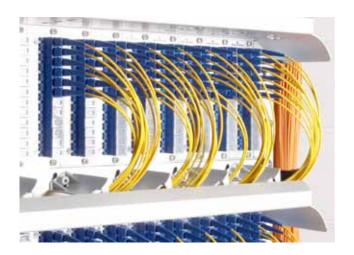
Factory connectorised and factory tested it is particularly suited for connecting equipment and/or panels, its ruggedness permits the cables to be laid even where there are no protective ducts dedicated to fiber optics.

The length of the cable, the fiber type and the connector type are defined by the customer, the length of the fanout legs can be adapted in the installation phase or defined at the time of ordering; the product is sent in specially designed packaging and includes the test report.

Installation is quick and easy; no specialised personnel or expensive equipment required therefore time and cost are significantly reduced.

Breakout Line system can be re-used further to adds, moves or changes in the network.

Features

Ready to use

LSZH jacket

Up to 24 fibers

Completely assembled and tested in the factory

Cable length and connector type defined by client

Protective tube available on request

No need for qualified personnel or expensive equipment for the installation

System re-usable if network so requires due to adds or changes

Applications

Building backbone

Horizontal cabling (FTTD)

For connecting directly equipment/panels

CABLE MODEL

Specification	Fiber count					
	4	8	12	16	18	24
Cable outer diameter	7.5mm	10.0mm	12.7mm	13.0mm	13.2mm	15.0mm
Single cable diameter	2.0 ± 0.1mm					
Weight	50 kg/km	100 kg/km	125 kg/km	135 kg/km	150 kg/km	200 kg/km
Cable max. tensile strength	600 N	1000 N	1500 N	2000 N	2000 N	2500 N
Single cable max. tensile strength	75mm	100mm	130mm	130mm	130mm	150mm
Crush resistant	100 N permanent					
Cable min. bending radius	1000 N/dm permanent					
Single cable min. bending radius	30 mm in service					
Jacket material	LSZH					
Temperature range	-20 +80 C° in servizio					

B K - A - B B - C - D D / E E - F F F F

A Select cable design

A = Non armoured, LSZH jacket, blue
B = Non armoured, LSZH jacket, yellow
C = Non armoured, LSZH jacket, orange
D = Glass armoured, LSZH jacket, yellow
E = Glass armoured, LSZH jacket, orange
x = Other on request

B B Select number of fibers

0	4	=	4 fibers
...	...	=	.... fibers
1	2	=	12 fibers
...	...	=	.... max 24 fibers

C Select fiber type

N = NZ-DS
9 = Single mode 9/125
5 = 50/125
O = 50/125 OM3 300
M = 50/125 OM3 550
6 = 62,5/125

D D Select connector type side A

1	0	=	SMA
2	0	=	ST
3	0	=	FC/SPC
3	5	=	FC/APC small key 2.00 mm
3	6	=	FC/APC wide key 2,15 mm
4	0	=	SC/SPC
4	4	=	SC/APC
5	0	=	LC/SPC
5	5	=	LC/APC
6	0	=	MU/SPC
6	5	=	MU/APC
D	D	=	for a complete list please see jumper cable code

E E Select connector type side B

E E = Use option from item DD
0 0 = No connector

F F F F Select cable length in meters*

3	5			=	35 meter
1	2	.	5	=	12.5 meter

* cable length including connector

Example:
BK-B-24-9-40/50-23,5 breakout cable no armoured
LSZH jacket yellow SC/SPC to LC/SPC 23,5 meter