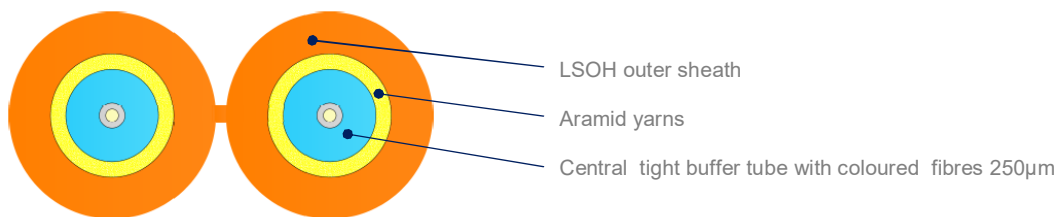


Type:	Duplex – ZIP 1,8-3,0	REV: 2
Issued:	27/03/2014	SK
Modified:	16/11/2015	PB

## Duplex - ZIP Cable 1,8 – 3,0mm



\*schematic drawing, not to scale

### APPLICATION:

Distribution systems cable  
For patchcords and pigtailed  
Terminals connection

### DESIGN:

LSOH sheath with low coefficient of friction  
Aramid yarns  
250µm coloured fibres

### CABLE DESIGNS:

Variant	Fibres quantity	Ø nominal (±5%)	Nominal weight (±5%)	Max allowable tension (ε=0,5%)	Crush
	[pcs]	[mm]	[kg/km]	[N]	[N/10cm]
2F	2	1,8 x 3,7	8	300	500
2F	2	2,0 x 4,1	8	300	500
2F	2	2,4 x 4,8	11	300	700
2F	2	2,8 x 5,7	16	650	1000
2F	2	3,0 x 6,1	16	300	1000

### MAIN MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS (according to IEC 60794)

Test	Test method	Test parameters	Requirements*
Crush performance	IEC 60794-1-2-E3	500 or 1000 N / 100 mm, max. 15 min	$\Delta\alpha \leq 0.1$ dB, no damage
Repeated bending	IEC 60794-1-2-E6	20 x D, 3 cycles	$\Delta\alpha \leq 0.1$ dB, no damage
Temperature: Installation	IEC 60794-1-2-F1	-5... +55 [°C]	$\Delta\alpha \leq 0.1$ dB/km, reversible
Operation		-10... +70 [°C]	
Transport & Storage		-40... +70 [°C]	

(\*) values for single-mode fibres, all optical measurements performed at 1550nm

### OUTER JACKET AND OPTICAL FIBRES IDENTIFICATION:

Fibre type	SM G.652D	SM G.657 A1 / A2 / A3	MM 62,5/125 OM1	MM 50/125 OM2	MM 50/125 OM3	MM 50/125 OM4
Buffer colour	Yellow	White	Blue	Orange	Aqua	Violet
RAL	1021	9010	5015	2003	6027	4003

### FIBRES PARAMETERS

Optical fibres parameters see **DSH\_OFP** document.

### MARKING

The following print (inkjet / black or white) is applied at 1-meter intervals:

- Standard code (Product type, fibre type, fibre count)
- Year of manufacture: xxxx
- Length marking in meters
- Cable ID / Drum No

Example: ZIP-18 2F SM G652D "YEAR OF MANUFACTURE" "SINE WAVE SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is  $\pm 0,5\%$ . Remarkings is in accordance with Bellcore GR 20 and supersedes earlier markings. Occasional loss of marking is possible. Cables can be supplied with a range of single mode or multimode fibres and customized print.

### PACKING

Cables will be shipped on disposable plywood drums. Both ends of the cable will be capped and accessible for testing. Identification information will be placed on the drum.

### DELIVERY LENGTH

1000, 2000, 4000, 8000 meters  $\pm 5\%$ , with possibility of supplying up to 5% of total contract quantity as short length cables which should be above 1000 meters long. Tolerance of 5 % of order quantity shall be allowed.