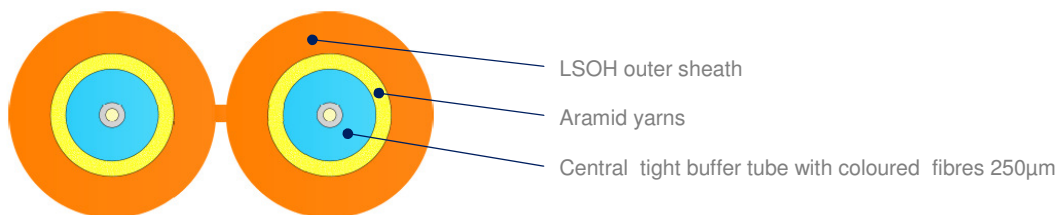


Type:	Duplex – ZIP 1,8-3,0	REV: 2.2
Issued:	16/11/2015	PB
Modified:	30/01/2020	AM

Duplex - ZIP Cable 1,8 – 3,0mm



*schematic drawing, not to scale

APPLICATION:

Distribution systems cable
For patchcords and pigtails
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
Jacket / buffer colour	Yellow	White	Blue	Orange	Aqua	Violet
RAL	1021	9010	5015	2003	6027	4003

* unless agreed otherwise

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" " DOUBLE SINE WAVE SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is $\pm 0,5\%$. Remarking 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.