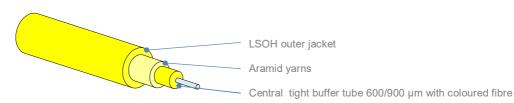


Туре:	Simplex – SMX 1,2-2,8	REV: 3.4
Issued:	20/03/2014	SK
Modified:	23/11/2016	MM

Simplex SMX Cable 1,2 – 2,8 mm



^{*}Schematic drawing, not to scale

APPLICATION:

Buyer and/or user of this product has

valid unless specifically authorised by Fibrain. Buyer to the Terms of Sale of the selling Fibrain subsidiany.

not

specification without prior notice. This specification is relating to this product are subject – in accordance with

s the right to change this All questions of liability r

ssue. Fibrain reserves for the intended use. /

The information is believed to be correct at the time of is to make sure before using this product that it is suitable

Distribution systems cable For patchcords and pigtails Terminals connection

DESIGN:

LSOH with low coefficient of friction Aramid yarns Central tight buffer tube 600/900µm 250µm coloured fibre

CABLE DESIGNS

Variant	Fibres quantity	Ø nominal (±5%)	Nominal weight (±5%)	Max allowable tension	Crush
	[pcs]	[mm]	[kg/km]	[N] $(\epsilon_f=0.5\%)$	[N/100mm]
1F	1	1,2	2	50	200
1F	1	1,6	3	100	300
1F	1	1,8	4	150	400
1F	1	2,0	5	200	500
1F	1	2,4	6,5	300	600
1F	1	2,8	7,5	300	800

MAIN MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Test	Test Standard	Specified Value	Requirement	
Crush	IEC 60794-1-2-E3	200 - 800 N / 100 mm, max. 15 min	$\Delta \alpha \leq$ 0.1 dB, no damage	
Cable bend	IEC 60794–1–2-E11 R=20x D, 4 turns, 3 cycles		$\Delta \alpha \leq$ 0.1 dB, no damage	
Temperature: Installation		-5 +40 [°C]		
Operation	IEC 60794-1-2-F1	-10 +60 [°C]	$\Delta \alpha \leq$ 0.1 dB/km, reversible	
Transport & Storage		-20 +60 [°C]		

OUTER SHEATH, TIGHT BUFFER TUBES AND OPTICAL FIBRES COLOUR IDENTIFICATION

Fibre type	SM	SM G.657	MM 62,5/125	MM 50/125	MM 50/125	MM 50/125
	G.652D	A1 / A2 / A3	OM1	OM2	OM3	OM4
Buffer / sheath colour	Yellow	White	Blue	Orange	Aqua	Violet
RAL	1021	9010	5012	2003	6027	4003

Customized sheath/buffer colours available.

FIBRES PARAMETERS

Optical fibres parameters see ${f DSH_OFP}$ document.

MARKING

The following print (black / ink jet) is applied at 1-meter intervals:

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

Example: SMX-12 1F SM G652D "YEAR OF MANUFACTURE" "DOUBLE SINE WAVE SYMBOL" "LENGTH MARKING" "BATCH NUMBER" SMX-12 1F SM G652D 2015 \(\sqrt{00001m} 00001/1 \)

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 ± 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.