

Type:	Simplex – SMX 1,2-2,8	REV: 0
Construction:	30/01/2014	SK
Modified:		

Simplex SMX Cable 1,2 – 2,8 mm



*Schematic drawing, not in scale

APPLICATION:

Distribution systems cable
For Patchcords and Pigtailes
Terminals connection

STRUCTURE AND COMPOSITION:

LSOH with low coefficient of friction
Aramid yarns
Central tight buffer tube
250um colored fiber

CONSTRUCTION:

CABLE CONFIGURATION:

Version	Qty Fibers	Ø nominal (+-5%) [mm]	Nominal weight (+-5%) [kg/km]	Max. Installation Tension [N]
1F	1	1,2	3,9	300
1F	1	1,6	4,2	330
1F	1	1,8	4,8	350
1F	1	2,1	5,5	370
1F	1	2,8	6	400

MAIN MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS (according to IEC 60794-5 and EN 187000)

Test	Test Standard	Specified Value	Requirement*
Crush	IEC 60794-1-2-E3	500 N / 100 mm, max. 15 min	$\Delta\alpha \leq 0.05$ dB, no damage
Cable Bend	IEC 60794-1-2-E11	R=20x D, 4 turns, 3 cycles	$\Delta\alpha \leq 0.05$ dB, no damage
Water Penetration	IEC 60794-1-2-F5B	sample=3m, water column=1m, 24h	no water leakage
Temperature: Installation	IEC 60794-1-2-F1	-5... +50 [°C]	no attenuation increase
Operation		-25... +70 [°C]	no attenuation increase
Transport & Storage		-25... +70 [°C]	no attenuation increase

OPTICAL FIBER AND TIGHT BUFFER TUBES COLOR IDENTIFICATION

The colors of identifications see on **DSH_Colors_CODE_XXXX**

FIBER PARAMETERS

The value of characteristic fibers parameters see on **DSH_OFF**

Marking

The following printing (white hot foil indentation) is applied at 1-meter intervals.

- Supplier: FIBRAIN
- Standard Code (Product Type, Fiber Count, Fiber Type,), other sales name, jacket type
- Year of manufacture: xxxx
- Length marking in meters
- Cable ID/ Drum No

Example: FIBRAIN SMX-12 1F SM G652D 1T1F "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

Drums

The cables will be shipped on metal or treated wooden drums, with protective battens around the circumference. The inner and outer ends of the cable will be capped and made accessible for testing. A direction of rotation arrow is marked on the drum together with the identification information.

Packing

Delivery Length: 1000, 2000, 4000, 8000* meters $\pm 5\%$, with an allowance of supplying a maximum of 5% of the total contract quantity as short length cable which should be above 1000 meters length. Tolerance of 5 % of on Order Quantity shall be allowed.

Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.