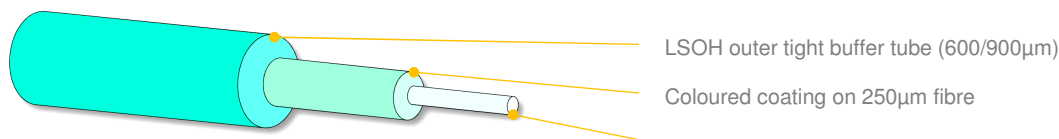


Type:	Buffer – BFR 600/900	REV: 1.5
Construction:	11/03/2014	SK
Modified:	16/02/2021	KP

Buffer BFR Cable 600/900µm



*Schematic drawing, not to scale

APPLICATION:

Distribution systems cable
For patchcords and pigtails
Terminals connections

DESIGN:

Buffer made of LSOH with low coefficient of friction
250µm fibre
Variants with different stripability

CABLE DESIGNS:

Variant	Fibres quantity	Ø nominal (±5%)	Nominal weight (±5%)	Max allowable tension
	[pcs]	[mm]	[kg/km]	[N]
1F	1	0,6	0,5	4
1F	1	0,9	0,95	5

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

Test	Test method	Test parameters	Requirements*
Crush performance	IEC 60794-1-21-E3	200 N / 100 mm, max. 15 min	$\Delta\alpha \leq 0.05$ dB, no damage
Repeated bending	IEC 60794-1-21-E6	20 x D	$\Delta\alpha \leq 0.05$ dB, no damage
Water penetration	IEC 60794-1-22-F5B	sample=3m, water column=1m, 24h	no water leakage
Temperature: Installation	IEC 60794-1-22-F1	+5... +40 [°C]	$\Delta\alpha \leq 0.05$ dB/km, reversible
Operation		-10... +60 [°C]	
Transport & Storage		-20... +60 [°C]	

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

STRIPABILITY:

Version	Fibres quantity	Stripping	Stripping – length in one piece [cm]
1F	1	TB00/TB05/TB10*	3-5 / 20-40 / 100-200

* TB00 – tight buffer

* TB05 – semi tight

* TB10 – easy strip

FIBRES PARAMETERS

Optical fibres parameters see DSH_OFFP document.

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.

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