

Multi Loose Tube Cable

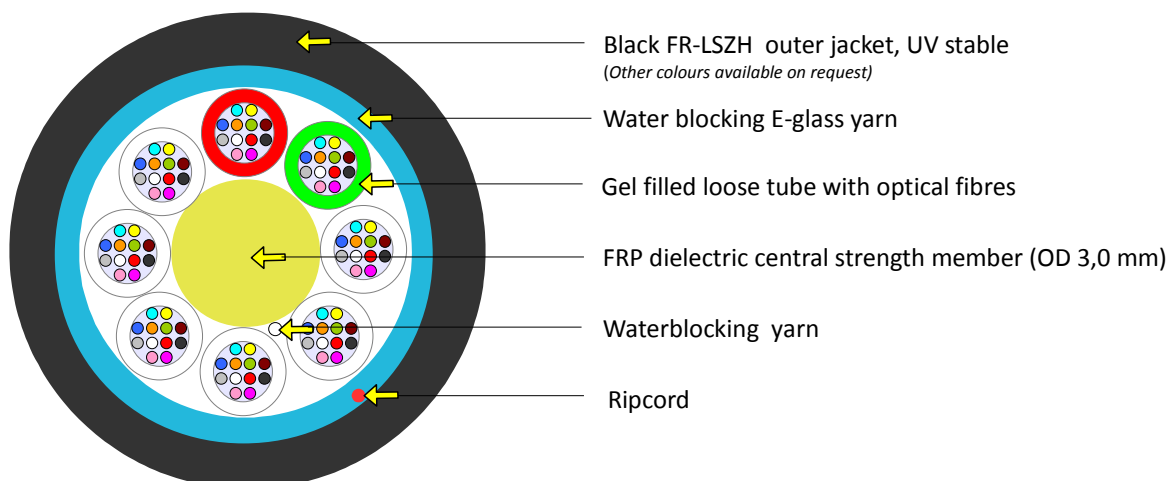
ID: **PE02**

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J/A-DQ(BN)H 8×1,7 max. 96F

This cable is suitable for indoor or outdoor use.



Order example

2100 m J/A-DQ(BN)H 96E9/125 G.652D jacket colour BLK, cable specification PE02

Fibre colour coding

According to IEC 60304

1 Red	7 Brown
2 Green	8 Violet
3 Blue	9 Turquoise
4 Yellow	10 Black
5 White	11 Orange
6 Grey	12 Pink

Other fibre colour sequences available on request

Tube colour coding

- 1 Red
- 2 Green
- 3-8 White

in the case of lower number of fibres some tubes are replaced by uncoloured fillers
Other tubes colour sequences available on request

Fibre Type

Single mode fiber 9/125
Multi mode fiber 50/125
Multi mode fiber 62,5/125
See the Fibre Specification sheet

Sheat Marking

Print colour White
Print method INK-Jet
Print legend manufacturer's name, job number, type of cable, length marking @ 1 m intervals

Other print legends available on request

Packaging Standard put-up length

Plywood up to 8100 m *
* length toleration ± 5%

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Mechanical and Environmental properties

Test	Value	Unit	Method	Comment
Cable outer diameter	9,5 ± 0,4	mm	EN 60811-1-1	
Cable weight	106	kg/km		- calculated
Outer jacket thickness	1,5	mm		
Loose tube diameter	1,7	mm		
Max. tensile strength	4300	N	EN 60794-1-21-E1	- max. fiber strain 0,33% - cable strain 0,7% - 2300N no fiber strain - max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Crush resistance test	3000	N	EN 60794-1-21-E3	- plate dimensions 100×100 mm - max. attenuation variation ≤ 0,05 dB at 1550 nm - duration of loading 1 min. - no increase attenuation after the test
Impact resistance test	20	Nm	EN 60794-1-21-E4	- 3 Impact - no fibre cracking
Min. bend radius (no load)	20	× OD	EN 60794-1-21-E11a	- max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Min. bend radius (load)	15	× OD	EN 60794-1-21-E11b	- max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Moisture resistance test	pass		EN 60794-1-22-F5	- water height 1 m - sample length 3 m - no leakage on free sample end - duration of test 24h
Temperature range	Installation Operation Storage	-15 to +50°C -40 to +70°C -40 to +70°C	EN 60794-1-22-F1	- max. attenuation variation ≤ 0,1 dB at 1550 nm - Dwell time acc. to EN 60794-1-22 - When installing or assembly under temperature below 5°C cable has to be stock in temp of 20°C at least 24h before installation. - no increase attenuation after the test
Fire properties – Flammability	pass		EN60332-3-22 (cat.A) ČSN EN 50266-2-2	- 40 min exposure to flame - length of the burned sample max. 2,5m
Fire properties – Acid gases	pass		EN 50267 EN 50267-2-2 EN 50267-2-3 EN 60754-1 EN 60754-2	- min. pH 4,3 - max. 10µS/mm
Fire properties – Smoke density	pass		EN 61034-1 EN 61034-2	- min. 60%

Cable life time - minimum 30 years

