

Distribution Cable

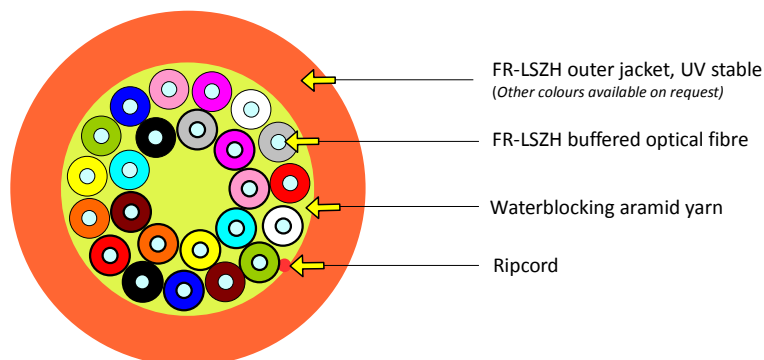
ID: **5Vx1**

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25.8.2015 ver.5

J/A-VQ(ZN)H max. 24F

This cable is suitable for indoor or outdoor installation.



Order example

2100 m J/A-DQ(ZN)H 24E9/125G.657.A1 jacket colour YEL, cable specification 5VT1

Buffer

5VT1	Tight	strip. up to 10 cm
5VF1	Free	strip. more than 100 cm
Colour 1 st to 12 th	red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink,	
Colour 13 th to 24 th	red, green, blue, yellow, white, grey, brown, violet, turquoise, black*, orange, pink – with black rings	
	* white ring	
	(according to IEC 60304)	
Material	FR-LSZH	

Outer jacket

Jacket material	FR-LSZH	
Jacket colour	SM 9/125	Yellow
	MM 50/125	Green
	MM 62,5/125	Orange
Other jacket colours available on request		

Fibre Type

Single mode fiber 9/125
Multi mode fiber 50/125
Multi mode fiber 62,5/125

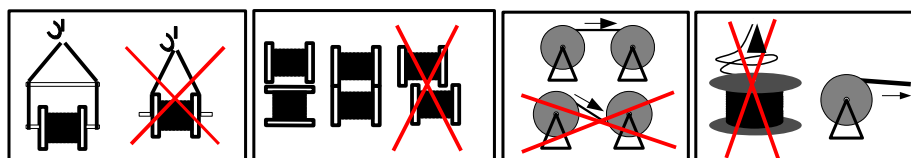
See the Fibre Specification sheet

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	Drum size
Plywood	2100 m ± 5 %, other lengths on request	2-8F 755×300×390
		10-12F 1000×640×390
		16-24F 1000×640×600



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Mechanical and Environmental properties

Test		Value	Unit	Method	Comment
Cable outer diameter	2F	4,4 ± 0,5	mm	EN 60811-1-1	
	4F	4,6 ± 0,5			
	6F	5,3 ± 0,5			
	8F	5,9 ± 0,5			
	10F	6,1 ± 0,5			
	12F	6,4 ± 0,5			
	16F	7,5 ± 0,5			
	24F	8,5 ± 0,5			
Cable weight	2F	20	kg/km		- calculated
	4F	25			
	6F	30			
	8F	35			
	10F	38			
	12F	42			
	16F	57			
	24F	72			
Outer jacket thickness	<12F	1	mm		
	>12F	1,2	mm		
Secondary coating diameter		0,9	mm		
Max. tensile strength	2F	550	N	EN 60794-1-2-E1	- max. fibre strain 0,5% - max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
	4F	650			
	6F	900			
	8F	1000			
	10F	1000			
	12F	1100			
	16F	1300			
	24F	1600			
Crush resistance test		2000	N	EN 60794-1-2-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 60794-1-2-E4	- 3 impact - no fibre cracking - max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Min. bend radius (no load)		15	× OD	EN 60794-1-2-E11a	- max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Min. bend radius (load)		20	× OD	EN 60794-1-2-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 24 h
Temperature range	Installation Operation Storage	-5 to +50°C -20 to +60°C -20 to +60°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