

Drop Cable

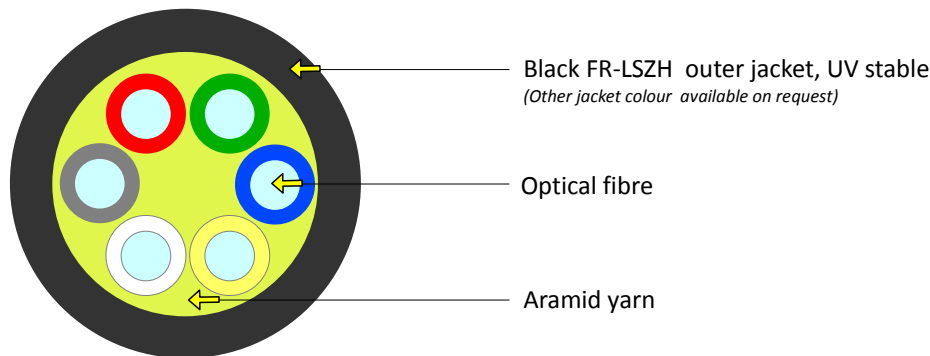
ID: **7A01**



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

This cable is suitable for indoor or outdoor aerial use.



The picture represents a cable with 6 fibres



Recommended clamp
TELENCO Code 7593

Order example

2100 m J/A-N(ZN)H 24E9/125 G.657.A1 jacket colour BLK, cable specification 7A01

Fibre colour coding

According to IEC 60304

1 Red	7 Brown	13 Red*	19 Brown*
2 Green	8 Violet	14 Green*	20 Violet*
3 Blue	9 Turquoise	15 Blue*	21 Turquoise*
4 Yellow	10 Black	16 Yellow*	22 Natural*
5 White	11 Orange	17 White*	23 Orange*
6 Grey	12 Pink	18 Grey*	24 Pink*

* with black rings

Other fibre colour sequences available on request

Sheet 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

Fibre Type

SM 9/125 G.657.A&B

See the Fibre Specification sheet

Packaging Standard put-up length Drum size

Box	1000 m ± 5%*	<12F cardboard box with a spool
	2100 m ± 5%*	<12F 450×300×390
Spool	2100 m ± 5%*	>12F 600×300×390

*other lengths on request

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Mechanical and Environmental properties

Test		Value	Unit	Method	Comment
Cable outer diameter	2 – 6F	3,0 ± 0,3	mm	EN 60811-1-1	
	8 – 12F	3,4 ± 0,5			
	16F	3,7 ± 0,5			
	24F	4,0 ± 0,5			
Cable weight	2 – 6F	10	kg/km		- calculated
	8 – 12F	12			
	16F	13,5			
	24F	15,5			
Outer jacket thickness		0,8	mm		
Max. tensile strength		500	N	EN 60974-1-2-E1	- max. fiber strain 0,8 % - 200 N fiber strain 0,3 % - max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Crush resistance test		1000	N	EN 60974-1-2-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		3	Number of impact	EN 60974-1-2-E4	- impact energy 3 Nm, slightly damaged jacket - impact energy 5 Nm, no jacket cracking - max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Min. bend radius (no load)		10	mm	EN 60974-1-2-E11a	- max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Min. bend radius (load)		12	mm	EN 60974-1-2-E11b	- max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
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-F1 - 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 (Cable with more than 12 fibers – hanging, 15 years)

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22.4.2015 ver.10

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

Max. 12 fibers

-0,8 ppm/K

Max. fibre strain 0,8%

SPAN (m)	INSTALLATION		NESC LIGHT			NESC MEDIUM			NESC HEAVY		
			sag (m)		load (N)	Sag (m)		load (N)	sag (m)		load (N)
	Sag 1,5%(m)	N	horizontal	vertical		horizontal	vertical		horizontal	vertical	
20	0,3	22	0,5	0,3	142	0,6	0,7	320	0,6	1,0	533,00
30	0,5	30	0,91	0,5	188	1,0	1,2	424			
40	0,6	44	1,3	0,7	237	1,4	1,7	523			
50	0,8	52	1,7	1,0	275						
60	0,9	66	2,2	1,2	318						
70	1,1	74	2,7	1,5	353						
80	1,2	88	3,1	1,7	392						
90	1,4	94	3,6	2,0	420						
100	1,5										
110	1,7										
120	1,8										
130	2,0										
140	2,1										
150	2,3										

SPAN (m)	INSTALLATION		NESC LIGHT			NESC MEDIUM			NESC HEAVY		
			sag (m)		load (N)	Sag (m)		load (N)	sag (m)		load (N)
	Sag 3%(m)	N	horizontal	vertical		horizontal	vertical		horizontal	vertical	
20	0,6	11	0,7	0,4	113	0,6	0,8	286	0,6	1,0	495
30	0,9	17	1,1	0,6	157	1,0	1,3	390			
40	1,2	22	1,5	0,9	199	1,5	1,9	483			
50	1,5	28	2,0	1,1	238	2,0	2,5	569			
60	1,8	33	2,5	1,4	274						
70	2,1	39	3,1	1,7	309						
80	2,4	44	3,6	2,0	342						
90	2,7	50	4,2	2,3	374						
100	3,0	55	4,8	2,6	406						
110	3,3	61	5,4	3,0	437						
120	3,6										
130	3,9										
140	4,2										
150	4,5										

More than 12 fibers

SPAN (m)	INSTALLATION		NESC LIGHT			NESC MEDIUM		
			sag (m)		load (N)	sag (m)		load (N)
	Sag 3%(m)	N	horizontal	vertical		horizontal	vertical	
20	0,6	15	0,7	0,3	147	0,6	0,7	325
30	0,9	22	1,1	0,5	206	1,0	1,2	440
40	1,2	29	1,6	0,7	259			
50	1,5	37	1	0,9	310			

