

High – Fiber – Count & Reduce Diameter Multi Loose Tube Cable



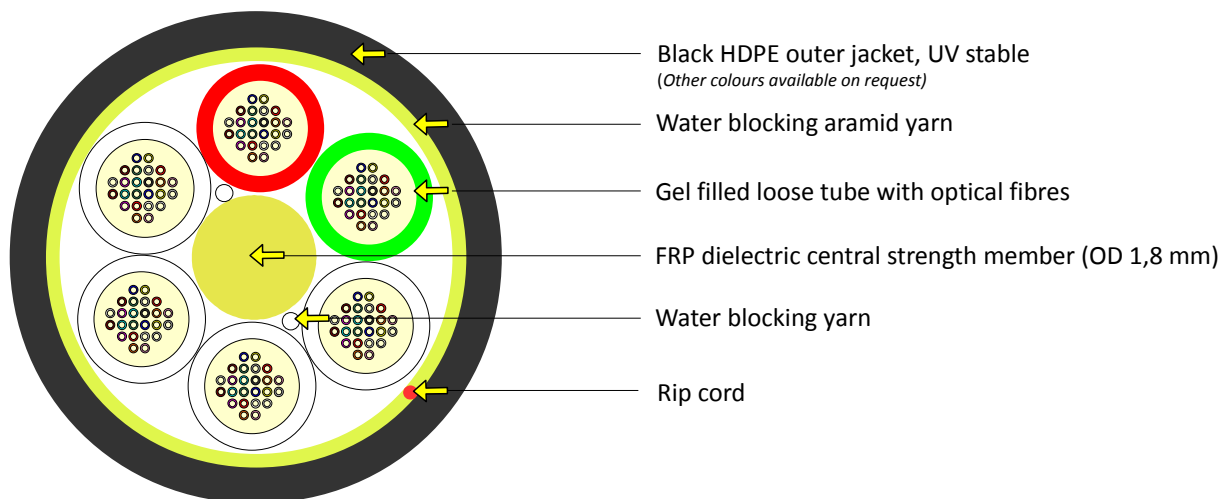
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13.10.2014 ver.1

ID: **Z024**

A-DQ(ZN)2Y HD 6×1,7 max. 144F

This cable is suitable for Air-blowing.



Order example

2100 m A-DQ(ZN)2Y HD 144E9/125G.657.A1 jacket colour BLK, cable specification Z024

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

Tube colour coding

- 1 Red
- 2 Green
- 3-6 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

SMF ITU-T G.657 200µm

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 *	1000×640×600
Plywood	4100 m *	1200×640×600
Plywood	6100 m *	1400×640×740
Plywood	8100 m *	1400×640×740

* ± 5 %, other lengths on request

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Mechanical and Environmental properties

Test	Value	Unit	Method	Comment
Cable outer diameter	6,2 ± 0,3	mm	EN 60811-1-1	
Cable weight	34	kg/km		- calculated
Outer jacket thickness	0,5	mm		
Loose tube diameter	1,7	mm		
Coefficient of friction	0,12			
Max. tensile strength	700	kN	EN 60974-1-2-E1	- max. fibre strain 0,33% - long term 200 N - no fiber strain for long term load - max. attenuation variation ≤ 0,1 dB at 1550 nm - no increase attenuation after the test
Crush resistance test	1500	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 5 Nm, slightly damaged jacket - impact energy 8 Nm, no jacket cracking - max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Min. bend radius (no load)	15	× OD	EN 60974-1-2-E11A	- max. attenuation variation ≤ 0,1 dB at 1550 nm
Moisture resistance test	pass		EN 609794-1-22-F5	- water height 1 m - sample length 3 m - no leakage on free sample end - duration of test 24h
Temperature range	Installation	-15 to +50°C	EN 60794-1-22-F1	- max. attenuation variation ≤ 0,05 dB at 1550 nm, reversible - Dwell time in max. temperature 24 hours. - When installing or assembly under temperature below 5°C cable has to be stock in temp of 20°C at least 24h before installation.
	Operation	-30 to +70°C		
	Storage	-40 to +70°C		

Cable life time - minimum 30 years

