

# Multi Loose Tube Cable

ID: **RE01**

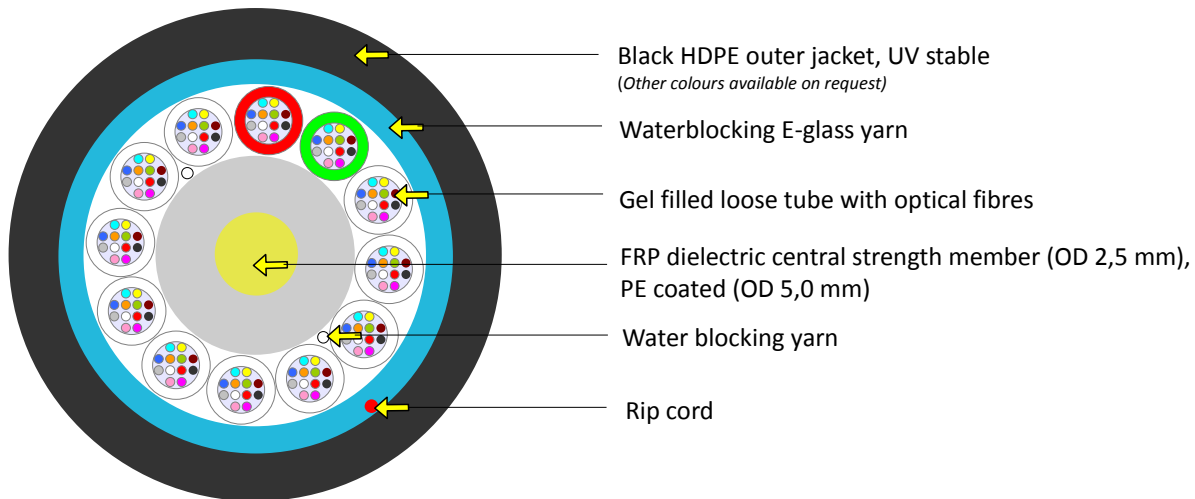


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7.7.2014 ver.3

## A-DQ(ZN)2Y HD WBF 12×1,7 max. 144F

This cable is suitable for outdoor use. The cable has standard level of rodent protection.



### Order example

2100 m A-DQ(ZN)2Y HD WBF 144E9/125 G.652D jacket colour BLK, cable specification RE01

### 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
- 3-12 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 or Hot-foil  
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	1200×640×600
Plywood	4100 m ± 5 %, other lengths on request	1400×640×740

# Multi Loose Tube Cable

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## A-DQ(ZN)2Y HD WBF 12×1,7 max. 144F

### Mechanical and Environmental properties

Test	Value	Unit	Method	Comment
Cable outer diameter	11,8 ± 0,5	mm	EN 60811-1-1	
Cable weight	125	kg/km		- calculated
Outer jacket thickness	1,5 ± 0,2	mm		
Loose tube diameter	1,7	mm		
Max. tensile strength	9500	N	EN 60974-1-2-E1	- max. fiber strain 0,33% - long term 6000 N - no fiber strain for long term load - max. attenuation variation ≤ 0,1 dB at 1550 nm, reversible - no increase attenuation after the test
Crush resistance test	2000	N	EN 60974-1-2-E3	- plate dimensions 100×100 mm - max. attenuation variation ≤ 0,05 dB at 1550 nm, reversible - duration of loading 1 min.
Impact resistance test	3	Number of impact	EN 60974-1-2-E4	- impact energy 5 Nm, slightly damaged jacket - impact energy 15 Nm, no jacket cracking - max. attenuation variation ≤ 0,05 dB at 1550 nm reversible
Min. bend radius (no load)	15	× OD	EN 60974-1-2-E11a	- max. attenuation variation ≤ 0,05 dB at 1550 nm, reversible
Min. bend radius (load)	20	× OD	EN 60974-1-2-E11b	- max. attenuation variation ≤ 0,05 dB at 1550 nm, reversible
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	-40 to +70°C		
	Storage	-40 to +70°C		

Cable life time - minimum 30 years

