

Multi Loose Tube Cable

ID: **PE01**

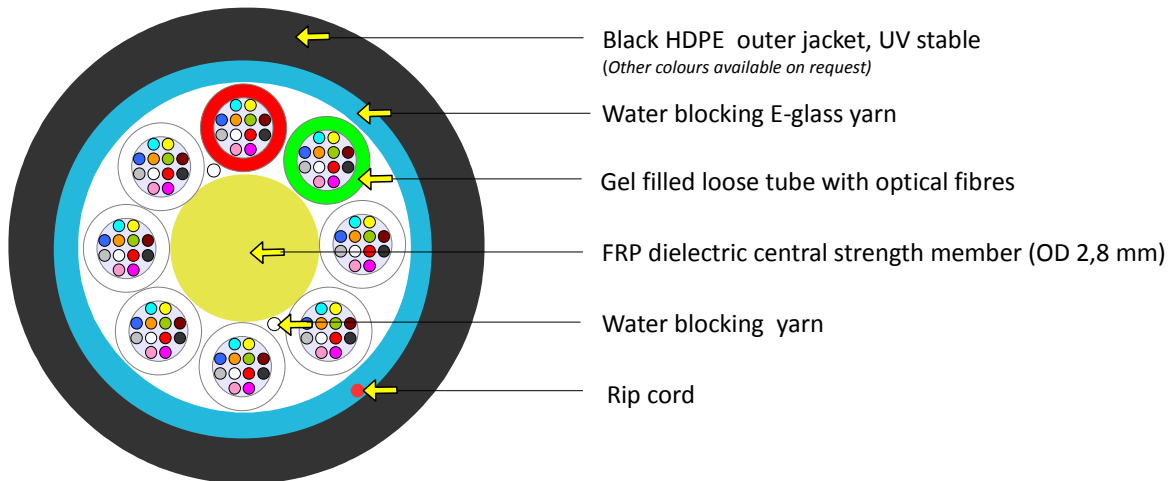


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4.7.2014 ver.3

A-DQ(ZN)2Y HD WBF 8×1,7 max. 96F

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 96E9/125 G.652D jacket colour BLK, cable specification PE01

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

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

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

| Packaging | Standard put-up length | Drum size |
|-----------|--|--------------|
| Plywood | 2100 m ± 5 %, other lengths on request | 1000×640×600 |
| Plywood | 4100 m ± 5 %, other lengths on request | 1200×640×600 |

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Mechanical and Environmental properties

| Test | Value | Unit | Method | Comment |
|----------------------------|--------------|------------------|-------------------|--|
| Cable outer diameter | 9,6 ± 0,4 | mm | EN 60811-1-1 | |
| Cable weight | 86 | kg/km | | - calculated |
| Outer jacket thickness | 1,5 ± 0,2 | mm | | |
| Loose tube diameter | 1,7 | mm | | |
| Max. tensile strength | 4500 | N | EN 60974-1-2-E1 | - max. fiber strain 0,33% - long term 2700 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

