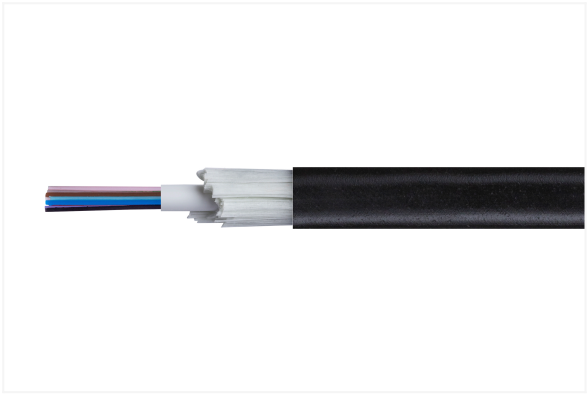
securityNET

8057 1 xx-B2 U-DQ(ZN)BH

# Universal fiber optic cable SM U-DQ(ZN)BH CPR B2ca



Universal rodent-resistant single-mode fiber optic cable U-DQ(ZN)BH – fully dielectric with a lightweight single-tube construction. It is characterized by high flexibility and tensile strength, and is UV resistant. The cable can contain up to 24 optical fibers, with moisture protection in the form of swelling tape. The cable's structural elements are made of materials ensuring a CPR fire resistance class of B2ca. It is intended for indoor and outdoor installation in telecommunication ducts. Installation can be carried out using mechanical (pulling) and pneumatic (blowing) methods.

## Technical specifications

Universal fiber optic cable
SM U-DQ(ZN)BH CPR B2ca

| | |
|---|---|
| **Product group** | universal cable (outdoor-intdor) |
| **Fiber standard** | ITU-T G.657.A1 |
| **Deformation resistance** | yes |
| **Halogen-free (according to EN 13501-1/2)** | yes |
| **Fire classification (according to EN 13501-6)** | B2ca (s1a, d1, a1) |
| **Longitudinal moisture penetration protection** | yes |
| **Rodent-resistant** | yes |
| **Tube** | central |
| **Fiber type** | SM |
| **Outer sheath** | HFFR |
| **Outer sheath color** | black |
| **Outer sheath thickness** | 1,5mm |

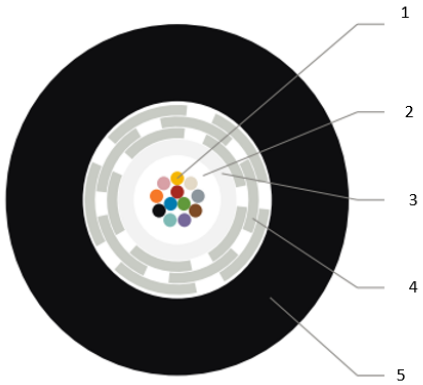

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| | |
|---|---|
| **Operating temperature range** | -40°C / +70°C |
| **Installation temperature range** | -30°C / +60°C |
| **Transport temperature range** | -40°C / +70°C |

# Available variants

Universal fiber optic cable
SM U-DQ(ZN)BH CPR B2ca

| Name | Catalogue number | Construction | Bending radius [mm] | Weight [kg/km] | Cable diameter [mm] | Maximum tensile force [N] |
|---|---|---|---|---|---|---|
| U-DQ(ZN)BH 4J | 8057 1 004-B2 | 4 x SM (1x4) | 150 | 71 | 7,5 | 2000 |
| U-DQ(ZN)BH 8J | 8057 1 008-B2 | 8 x SM (1x8) | 150 | 71 | 7,5 | 2000 |
| U-DQ(ZN)BH 12J | 8057 1 012-B2 | 12 x SM (1x12) | 150 | 71 | 7,5 | 2000 |
| U-DQ(ZN)BH 24J | 8057 1 024-B2 | 24 x SM (1x24) | 150 | 80 | 8,2 | 2000 |




**Budowa kabla**

1. Włókna światłowodowe.
2. Ochrona przed przenikaniem wilgoci w postaci pęczniejących włókien absorbujących wodę.
3. Tuba wypełniona włóknami (HFFR PBT).
4. Ochrona w postaci włókien szklanych.
5. Powłoka zewnętrzna HFFR, UV odporna.

## B2ca Class

The cable complies with CPR class: B2ca, which means it meets very high standards for fire resistance and fire safety. This provides protection for both people and infrastructure in the event of a fire

## High transmission quality

Thanks to the use of high-quality optical fibers, the cable provides stable data transmission with minimal attenuation and signal reflections.

## Outdoor-indoor construction

The cable is designed for installations that pass through various environments, including both outdoor and indoor parts of buildings. It is resistant to weather conditions, UV radiation, and variable temperatures.