

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.

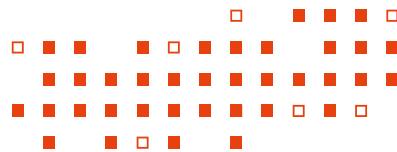
Installation can be carried out using mechanical (pulling) and pneumatic (blowing) methods.



Technical specifications

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

Product group	universal cable (outdoor-indoor)
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



Operating temperature range -40°C / +70°C

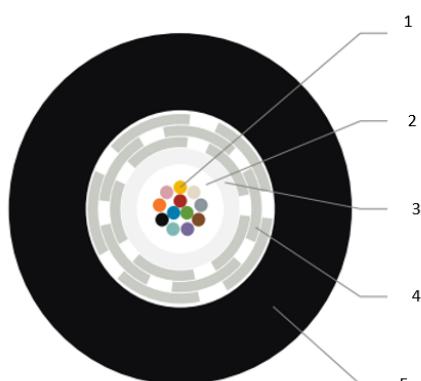
Installation temperature range -30°C / +60°C

Transport temperature range -40°C / +70°C

Available variants

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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 pęczniujących włókien absorbujących wodę.
3. Tuba wypełniona włóknami (HFRR PBT).
4. Ochrona w postaci włókien szklanych.
5. Powłoka zewnętrzna HFRR, 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.