

## HITRONIC® BTxK

Fibre optic cable for direct burial with tensile strength and bending insensitivity

LWL-Außenkabel mit Singlemode-Fasern nach ITU-T G.657.A1, hohe Biegeunempfindlichkeit, direkt erdverlegbar, längs- und querwasserdicht, halogenfrei.

### Info

A-DQ(ZN)B2Y

Very high tensile load relief due to reinforced glass yarns.



### Benefits

Due to their high bending insensitivity, single-mode fibres (OS2) in accordance with ITU-T G.657.A1 are ideal where space is limited. They allow tight bends without signal loss and simplify installation.

Fiber optic cables with glass optical fiber (GOF) have a high data transmission rate and range.

The low-friction outer sheath and small bending radii allow cables to be installed by blowing them in with air.

No generation of electromagnetic interference by metal-free materials inside the conduit.

Easy to handle thanks to flexible and compact design.

### Application range

For outdoor use

WAN applications

Suitable for direct burial

Methods of Deployment: empty plastic pipes, ducts and trays

Typical areas of use are solar and wind parks.

### Product features

Rodent-protection

Colour-coded fibres

PE outer shell is largely resistant to acids and alkalis.

Gel-filled central loose tube ensures longitudinal and transversal watertightness and thus optimum fibre protection.

Halogen-free sheath compound to meet special fire safety requirements.

### Product Make-up

Glass fibres with primary coating

Gel-filled loose tube

With reinforced glass yarn for strain relief and rodent protection.

Outer Sheath Material: HD-PE

Colour: black (RAL 9005)

**HITRONIC® BTxK****Technical Data**

Classification ETIM 5:	ETIM 5.0 Class-Description: Fibre optic cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000034 ETIM 6.0 Class-Description: Fibre optic cable
Core identification code:	Acc. to IEC 60304
Optical fibre type:	Core material: glass Cladding material: glass
Permissible bending radius:	Static: $\geq 10 \times$ outer diameter Due installation: 20x OD
Permissible tensile force:	8/12/24 fibres operation: 3000 N installation: 4000 N 2x12/3x12/4x12 fibres operation: 4000 N installation: 6000 N
Temperature range:	Fixed installation: -40 up to +70°C

**Note**

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## HITRONIC® BTxK

Article number	Article designation	Fibre type
26810908	HITRONIC BT4K A-DQ(ZN)B2Y 8 G657A1	9/125 OS2
26810912	HITRONIC BT4K A-DQ(ZN)B2Y 12 G657A1	9/125 OS2
26810924	HITRONIC BT4K A-DQ(ZN)B2Y 24 G657A1	9/125 OS2
26811924	HITRONIC BT6K A-DQ(ZN)B2Y 2X12 G657A1	9/125 OS2
26811936	HITRONIC BT6K A-DQ(ZN)B2Y 3X12 G657A1	9/125 OS2
26811948	HITRONIC BT6K A-DQ(ZN)B2Y 4X12 G657A1	9/125 OS2

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

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