

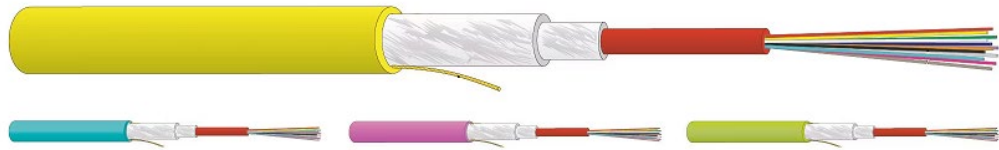
U-BQ(ZN)BH B2_{ca}

Fibre optic cable
central tube, gel-free, non-metallic rodent protection, halogen free, fire retardant, UV and weather resistant
IEC 60794, ITU-T

Application

Robust, compact and flexible universal halogen free fiber optic cable with improved fire characteristics. Non-metallic rodent protection. Easy to handle due to cable construction with dry interstices and gel-free loose tube. Longitudinal watertightness by swelling yarn. For use as termination and connection cable in wide area and local area networks. For fixed installation indoors and outdoors, in ducts or conduits, in dry and wet locations.

Construction



- | | | |
|-----------------------|---|---|
| 1. Fiber: | Optical fibers* | |
| 2. Tube: | Central tube (dry) | |
| | Up to 24 optical fibers (2, 4, 6, 8, 12, 16, 24) colour-coded | |
| 3. Strength elements: | Fiberglass reinforcements, waterblocking | |
| 4. Ripcord | | |
| 5. Outer sheath: | Zero halogen compound, | single mode OS2: yellow
multimode OM3: turquoise
multimode OM4: heather violet
multimode OM5: lime-green |
| | | other colours on request |

Technical information

*Fiber quality	Single mode	ITU-T G.652.D, G.657
	Multimode	ITU-T G.651.1: OM3, OM4, OM5
Operating temperature	fixed installation	-30 °C to 70 °C
Installation temperature		-10 °C to 50 °C
Min. bending radius mm	during installation	10 x outer diameter in mm
	during operation	15 x outer diameter in mm
Max. tensile load	duing installation	2200 N - IEC 60794-1-21 E1
Crush resistance		1500 N/dm - IEC 60794-1-21 E3
Max. impact		5 J - IEC 60794-1-21 E4
Safety parameters		
Reaction to fire		EN 50399 B2 _{ca} s1a, d0, a1
Flame spread	single cable	IEC 60332-1
	bunched cables	IEC 60332-3
Zero halogen		IEC 60754-1 /-2
Smoke density		IEC 61034-2
Additional parameters		ISO 4892-2 / EN 50289-4-17 method A 720H
UV resistance		IEC 60794-1-22 F5B
Water penetration		IEC 60794-1-22 F5B
Mechanical and environmental tests		IEC 60794-1-21 /-22

Fiber count	Outer Ø nom. approx. mm	Weight nom. approx. kg/km
up to 24 fibres	7,8	62

Fibres colour code: Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Black - Turquoise. With black stripe: Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Natural - Turquoise

All information is for guidance only without liability. Subject to change without notice.
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