

U-DQ(ZN)(SR)H B2_{ca}

70 °C service temperature, central tube, corrugated steel tape armoured, fire retardant, UV and weather resistant
IEC 60794, ITU-T

Application

Universal halogen free fiber optic cable with improved fire characteristics. Central tube and metallic rodent protection 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. Suitable for direct ground installation without protection.

Construction



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|-----------------------|--|
| 1. Fiber: | Optical fibers* |
| 2. Tube: | Central tube (dry) Up to 24 optical fibers (4, 6, 8, 12, 16, 24) colour-coded |
| 3. Strength elements: | Fiberglass reinforcements, waterblocking |
| 4. Armouring: | Corrugated steel |
| 5. Ripcord | |
| 6. Outer sheath: | Zero halogen compound, black (other colours on request) |

Technical information

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|------------------------------------|---------------------|---------------------------------------|
| *Fiber quality | Singlemode | ITU-T G.652.D, G.655, G.657 |
| | Multimode | ITU-T G.651: OM2, 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 | 20 x outer diameter in mm |
| | during operation | 15 x outer diameter in mm |
| Max. tensile load | duing installation | 1200 N |
| Crush resistance | | 2000 N/dm |
| 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 | | |
| Impact resistance | | IEC 60794-1-21 E4: 5 J |
| 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 | 8,5 | 82 |

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.