

A-DQ(ZN)H(SR)H C_{ca}

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

Application

Fire resistant fiber optic cable with central loose 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



- | | |
|-----------------------|---|
| 1. Fiber: | Optical fibers* |
| 2. Tube: | Gel-filled loose tube
Up to 24 optical fibers (4, 6, 8, 12, 16, 24) colour-coded |
| 3. Strength elements: | Fiberglass reinforcements, waterblocking |
| 4. Ripcord | |
| 5. Inner sheath: | Zero halogen compound |
| 6. Armouring: | Corrugated steel |
| 7. Ripcord | |
| 8. Outer sheath: | Zero halogen compound, black (other colours on request) |

Technical information

*Fiber quality	Singlemode Multimode	ITU-T G.652.D, G.655, G.657 ITU-T G.651: OM2, OM3, OM4
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	3200 N
Crush resistance		2000 N/dm
Safety parameters		
Reaction to fire		EN 50399 C _{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
Fire resistant		IEC 60331-25, 180min 750 °C
Additional parameters		
Water penetration		IEC 60794-1-22 F5B
Impact resistance		5 J
Mechanical and environmental tests		IEC 60794-1-21 /-22

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Fiber count	Ø Buffer tube approx. mm	Outer Ø nom. approx. mm	Weight nom. approx. kg/km
up to 24 fibres	3,0	10,0	131

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