LANmark-OF UCUN (Steel Armoring - Universal) Dca

LANMARK-OF UC UNIVERSAL 12X SINGLEMODE 9/125 OS2 LSZH DCA BLACK

Aginode Ref: N164.UCUN12B

UC optical fibre cables

- Provides full rodent protection
- Corrugated steel tape armour for crush and rodent protection
- Central gel-filled with PBT construction
- All fibre grades
- Black LSZH UV-resistant outer sheath – CPR (Dca -s2, d2, a1) rated
- Suitable for indoor and outdoor applications





The UC optical fibre cable from Aginode is specifically designed for installations where mechanical resistance, long-distance performance, and environmental durability are critical. Its gel-filled central loose tube and corrugated steel armor provide robust protection in demanding conditions.

Armored Design: Corrugated steel tape for excellent resistance to mechanical stress, crushing, and rodent attacks.
Loose Tube Construction: Central PBT tube filled with thixotropic gel ensures long-term fibre stability.
Indoor & Outdoor Application
High Performance OS2: Optimized for long-reach singlemode transmission (9/125 µm).
Halogen-Free Flame Retardant Jacket: Low emission of smoke and toxic gases; UV-resistant for extended durability.

The central tube contains up to 24 fibres, colour-coded for fast and reliable splicing.

STANDARDS

ISO/IEC 11801

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.

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Characteristics

Construction characteristics	
Construction type	Unitube
Fiber optic type	SM (G657.A1)
Halogen free	IEC 60754-1
Jacket material	LSZH Halogen free flame retardant
Material used for longitudinal water tightness	Swellable Glass yarns
Dimensional characteristics	
Approximate weight	82 kg/km
Nominal outer diameter (mm)	7.6 mm
Number of optical fibres	12
Number of tubes	1
Tube diameter	2.8 mm
Mechanical characteristics	
Crush resistance (IEC 60794-1-E3)	1500 N/100mm
Tensile strength	1500 N
Usage characteristics	
Flame retardant	IEC 60332-1-2
Gases corrosivity	IEC 60754-2
Installation temperature, range	-30...60 °C
Minimum dynamic operating bending radius	152 mm
Minimum static operating bending radius	114 mm
Operating temperature, range	-40...70 °C
Smoke density	IEC 61034-2
Storage temperature, range	-40...70 °C
U.V resistance	Very good

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DoP: Declaration of Performance

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