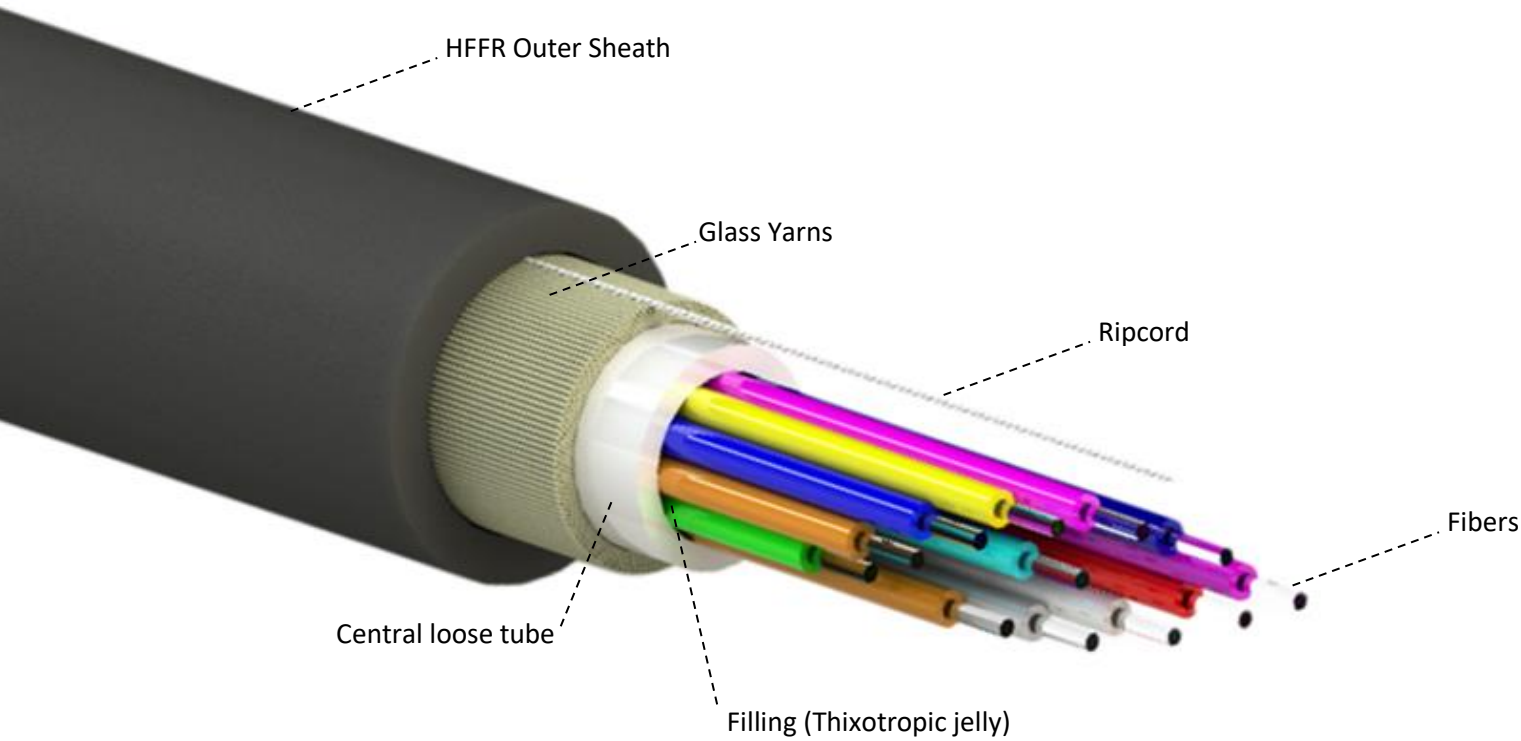
RAXELINK

UDQ(BN) H-FR B2CA CLT 2-24

Loose Tube, non-metallic, rodent protected,
Single Jacket LSZH Fiber Optic Cable, 1200N, CPR class B2CA



Features

- Universal fiber optic cable suitable for indoor and outdoor applications.
- Degree of rodent protection achieved by layer of glass yarns.
- Suitable for pulling or air-blown installations
- UV resistant
- Lightweight construction
- Halogen free flame retardant outer sheath (HFFR)
- ROHS Compliant
- CPR class: B2CA S1a, d0, a1
- 5-year warranty

Standards

- ISO/IEC 11801 2nd ed., IEC 61156-5
- EN 50575:2014+A1:2016
- IEC 60794-1, IEC 60794-2
- EN 50399
- EN 60332-1-2, IEC 60332-3-24
- EN 61034
- ANSI/ICEA S-104-696
- EN 187105
- TIA/EIA 598
- Telcordia GR-409
- EN 60754-2

Applications:

UDQ(BN) H-FR B2CA CLT 2-24 unitube fiber optic cable is designed for high-performance transmission in demanding indoor and indoor–outdoor environments. Its central loose tube provides excellent fiber protection, while the robust HFFR (Halogen-Free Flame-Retardant) outer sheath ensures enhanced fire safety and minimal smoke emission.

Certified to CPR Class B2ca, the cable meets strict European fire-resistance requirements, making it suitable for installation in public buildings, data centers, and critical infrastructure.

For mechanical durability, the cable incorporates a rodent-resistant construction, safeguarding the fibers against gnawing damage in challenging environments such as technical rooms, shafts, risers, and mixed-use installation paths.

The lightweight, flexible design enables fast and efficient installation using both pulling and air-blowing methods, ensuring easy deployment even over longer distances or through complex duct systems.

This unitube cable is an ideal solution for FTTx networks, campus backbones, distribution networks, and all applications requiring high fire performance, mechanical reliability, and long service life.

Specifications:

									IEC 60794-1-2 Test method
Number of fibers	**2**	**4**	**6**	**8**	**10**	**12**	**16**	**24**	
Number of tubes	1								
OD Tube Max. (mm)	3,0						3,5		
OD Tube Nom. (mm)	2,9						3,3		
OD Tube Min. (mm)	2,8						3,1		
OD cable Max. (mm)	7.0						7,5		
OD cable Nom. (mm)	6.5						7.0		
OD cable Min. (mm)	6.0						6,5		
Min. Jacket Thickness (mm)	1,0								
Minimum Bending radius	20 x D								E11
Max. Operating Pulling Load (N)	800								
Maximum Installation Pulling Load (N)	1200								
Crush (N/100mm)	1000								E3
Twist (torsion)	5 turn of 180° on 1m sample, both ways.								E7
Impact resistance	4.4J ; 3 x 2 times								E4
Installation temperature Range	-20°C to +60°C								F1
Operating temperature Range	-40°C to +60°C								F1
Core fluid Penetration	3m sample, 1m head for 24 hours								F5
Nom. Weight (Kg/Km)	52						64		

Marking on the cable: RAXELINK WEEK/YEAR U-DQ(BN)H-CLT-FR-B2- number/type of fibers B2ca -s1a, d0, a1 IEC 60331-25 LSZH DRUM NO METER

Ordering information:

PART NUMBER	CABLE TYPE	FIBER TYPE
2-SM-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Strong bend SM OS2 G.657 A1
4-SM-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Strong bend SM OS2 G.657 A1
8-SM-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Strong bend SM OS2 G.657 A1
12-SM-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Strong bend SM OS2 G.657 A1
24-SM-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Strong bend SM OS2 G.657 A1
2-OM2-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM2
4-OM2-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM2
8-OM2-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM2
12-OM2-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM2
24-OM2-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM2
2-OM3-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM3
4-OM3-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM3
8-OM3-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM3
12-OM3-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM3
24-OM3-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM3
2-OM4-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM4
4-OM4-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM4
8-OM4-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM4
12-OM4-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM4
24-OM4-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM4
2-OM5-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM5
4-OM5-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM5
8-OM5-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM5
12-OM5-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM5
24-OM5-UT-UA-B2CA	U-DQ(BN)H-FR B2ca	Prysmian Bendbright MM OM5