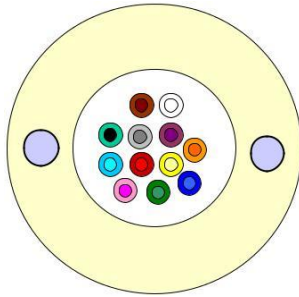


INDOOR RISER OPTICAL CABLE

Cable Design

IEC/EN 60794-2-20



Fibers: BendBrite™XS (G.657A2)

Buffers: 0.9 mm, buffer stripping with stripper.

Outer Sheath: Flame retardant LSOH, 2 glass fibers reinforced plastic material (GRP) embedded, disposed at 180°.

This dielectric optical cable is designed for indoor installation technique.

Technical data

No. of Fibers		8	16
Part number			
Buffer diameter - ϕ	mm	0.9	0.9
GRP - ϕ	mm	1.2	1.2
Sheath thickness	mm	1.75	1.75
Cable diameter - ϕ	mm	8.5	10.3
Cable weight	Kg/Km	71	76

Min. bending radius	mm	Under Tension: 20xCable- ϕ		Without Tension: 10xCable- ϕ	
		Transport	Installation:		Operation:
Temperature range	°C	-10 -> +60	-10 -> +40		-10 -> +60

Main characteristics

Test	Standard	Value	Requirement*
Tensile Strength (dynamic)	IEC 60794-1-2-E1	16 fo 200N, 5 min.	I/I fibre 0.60%, 0.10 dB under test, reversible
Crush	IEC 60794-1-2-E3	500 N/100mm, max. 15 min	0.10 dB under test, reversible, no damage
Repeated Bending	IEC 60794-1-2-E6	R=20xOD, 100N, 100 cycles	No break of fibres or tensile performance elements
Bend	IEC 60794-1-2-E11A	R=10xOD, 5 cycles	0.05 dB under test, reversible, no damage
Temperature Cycling	IEC 60794-1-2-F1	-10 -> +60 °C, 2 cycles	0.05 dB/Km, reversible

Optical Characteristics

See the attached cabled optical fiber BendBrite™XS (G.657A2) data sheet.

Identification

Color Coding

Element No.	1	2	3	4	5	6	7	8	9	10	11	12
Fibres	Blue	Yellow	Red	White	Green	Violet	Orange	Grey	Aqua	Black	Brown	Pink
Protection	Blue	Yellow	Red	White	Green Dark	Violet	Orange	Grey	Aqua	Black	Brown	Pink

Element No.	13	14	15	16
Fibres	Blue	Yellow	Red	White
Protection	Blue I	Yellow I	Red I	White I

I – one black mark; **II** – two black marks; **III** – three black marks

Sheath Color:

The outer sheath color is ivory.

Sheath Marking:

The outer sheath is marked in 1 meter intervals by ink jet method as follows:

wwyyyy Company(S) D1M VERTICASA INDOOR OPTICAL CABLE nn SM mmmm

where: wwyyyy = week&year of manufacture; nn = number of fibers, mmmm = Sequential Length Mark

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths: 2000 ± 100 m

Other lengths available upon agreement, up to a maximum of 10% of the total number of cable lengths could be shorter than nominal values
