

UC SP495 (Unitube with Steel Armour - Outdoor)

Outdoor Cable (Standard Unitube with Corrugated Steel Armour)

Description

Characteristics & Applications

This cable is designed for direct buried installation. Its metallic armour provides a high resistance to compression and an excellent rodent protection

The cable characteristics are the following:

- Tube filled with Jelly
- High rodent protection
- Metallic Armouring
- Capacity up to 24 fibres
- Waterproof structure
- Reinforced outersheath with UV resistance

Nexans fibre cable UC can include MM62.5, MM50 and SM G652 fibres.

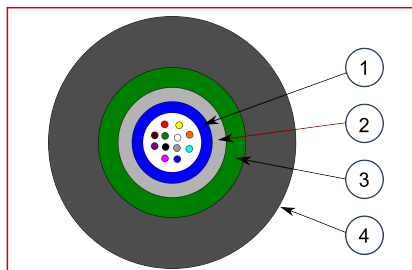
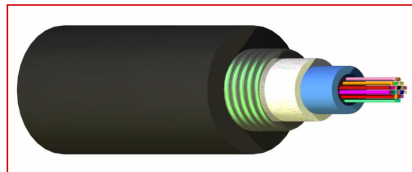
For MM we offer different grades of fibre to suit your application: GIGALite, GIGALite II, GIGALite 3 (MM50 only) or GIGALite 4 (MM50 only).

Installation

- Set cutter blade at 2.00 mm
- Cut at 1.5 m distance from the cable end
- Remove sheath and armour in one operation
- Cut glass yarns

Construction

1. Gel filled tube containing up to 24 individually coloured fibres
2. Glass yarns reinforcement
3. Corrugated steel tape armour
4. PE outer sheath



Standards

International EN 187000; IEC 60794



Admissible traction load
max.
150 daN



Ambient installation T °C
range
0 .. 40 °C



Operating temp.
range
-20 .. 60 °C



Storage temperature,
range
-30 .. 60 °C



operation bending
rad.
200 mm



static bending rad.
140 mm




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Characteristics

Construction characteristics	
Armour type	Corrugated steel
Outer sheath	PE
Type of cable	Loose tube
Dimensional characteristics	
Number of tubes	1
Nominal outer diameter	9.5 mm
Approximate weight	100 kg/km
Mechanical characteristics	
Maximum admissible traction load	150 daN
Maximum tensile load during service	45.0 daN
Crush resistance (IEC 60794-1-E3)	300 N/cm
Usage characteristics	
Installation type	Outdoor - Direct burial
Rodent protection	High
Ambient installation temperature, range	0 .. 40 °C
Operating temperature, range	-20 .. 60 °C
Storage temperature, range	-30 .. 60 °C
Laying operation bending radius	200 mm
Minimum static operating bending radius	140 mm

Fiber Colour Table

This document describes the color coding of the different fibers. Rings are added for fiber count over 12.

1	2	3	4	5	6	7	8	9	10	11	12
											
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua
13	14	15	16	17	18	19	20	21	22	23	24
											
1 Ring	1 Ring	1 Ring	1 Ring	1 Ring	1 Ring	2 Rings	2 Rings	2 Rings	2 Rings	2 Rings	2 Rings
Blue	Orange	Green	Brown	Grey	White	Blue	Orange	Green	Brown	Grey	White







Selling information

Standard Marking

NNNNN - UC - FIBRE OPTIC CABLE - XXX*YY - FB - TN - metric

NNNNN = Nexans (For GIGALite) or GIGALite II or GIGALite 3 or GIGALite 4 (Depending on the selected fibre quality)

XXX = Fibre Count

					
Admissible traction load max. 150 daN	Ambient installation T°C range 0 .. 40 °C	Operating temp. range -20 .. 60 °C	Storage temperature, range -30 .. 60 °C	operation bending rad. 200 mm	static bending rad. 140 mm

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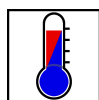
YY = Fibre Type : MM62.5 or MM50 or SM

FB = Produced in Frameries, Belgium

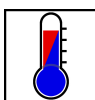
TN = Traceability Number



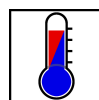
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max.
150 daN



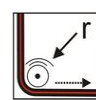
Ambient installation T °C
range
0 .. 40 °C



Operating temp.
range
-20 .. 60 °C



Storage temperature,
range
-30 .. 60 °C



operation bending
rad.
200 mm



static bending rad.
140 mm