

UC SP495 (Unitube with Steel Armour - Outdoor)

UC 12xSM

Nexans ref.: 10023767

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.

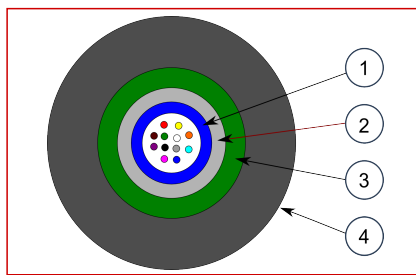
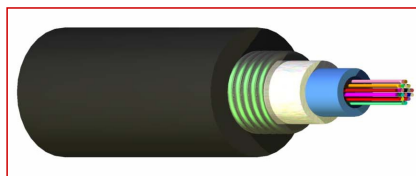
For MM we offer different grades of fibre to suit your application: GIGALite, GIGALite II, GIGALite 3 (MM50 only) or GIGALite 4 (MM50 only).

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

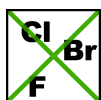
Construction

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

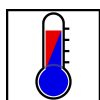
International EN 187000; IEC 60794



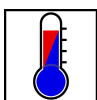
Halogen
free
Yes



Admissible
traction load max.
130 daN



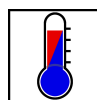
Ambient installation
T°C range
0 .. 40 °C



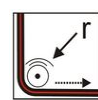
Operating
temp. range
-20 .. 60 °C



Flame
retardant
No



Storage
temperature, range
-30 .. 60 °C



operation
bending rad.
170 mm



static bending
rad.
120 mm

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





Characteristics

Construction characteristics	
Armour type	Corrugated steel
Outer sheath	PE
Fiber optic type	SM (G.652)
Type of cable	Loose tube
Halogen free	Yes
Dimensional characteristics	
Number of optical fibres	12
Number of tubes	1
Nominal outer diameter	8.5 mm
Approximate weight	75 kg/km
Transmission characteristics	
Optical performance	GIGAlite
Mechanical characteristics	
Maximum admissible traction load	130 daN
Maximum tensile load during service	70.0 daN
Crush resistance (IEC 60794-1-E3)	300 N/cm
Usage characteristics	
Installation type	Outdoor - Direct burial
Ambient installation temperature, range	0 .. 40 °C
Operating temperature, range	-20 .. 60 °C
Flame retardant	No
Storage temperature, range	-30 .. 60 °C
Laying operation bending radius	170 mm
Minimum static operating bending radius	120 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

							
Halogen free Yes	Admissible traction load max. 130 daN	Ambient installation T°C range 0 .. 40 °C	Operating temp. range -20 .. 60 °C	Flame retardant No	Storage temperature, range -30 .. 60 °C	operation bending rad. 170 mm	static bending rad. 120 mm

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Selling information

Standard Marking

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

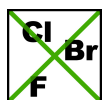
NNNNN = Nexans (For GIGAlite) or GIGAlite II or GIGAlite 3 or GIGAlite 4 (Depending on the selected fibre quality)

XXX = Fibre Count

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

FB = Produced in Frameries, Belgium

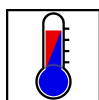
TN = Traceability Number



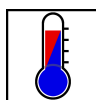
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Admissible
traction load max.
130 daN



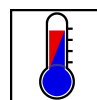
Ambient installation
T°C range
0 .. 40 °C



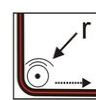
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