



MUC - Micro Unitube Cable.

The MUC is a non-metallic, waterproof customer drop cable, consisting of low bend radius, no waterpeak G.657.A1 fibres, in a jelly-filled central tube, surrounded by aramid-yarns (as tensile strength elements) and protected by a smooth polyamid outersheath. This outdoor cable is thin, light in weight and flexible and can be installed with narrow bending radii, therefore very suitable for application in the access network. Installation: blowing into microducts of 4.0mm (inside diameter).

| Characteristics | Properties | Unit |
|--|-------------------------------------|-------|
| Product group | Mini/micro cables | |
| Series | Glasvezelkabel Single Mode | |
| Type | MUC | |
| Standardization | IEC 60794-5-10 | |
| Test procedures | IEC 60794-1-2 | |
| Application | Outside | |
| Blow in | Yes | |
| Strain relief | Yes | |
| Optical Element | Loose tube, gel filled | |
| Fibre type | Single mode | |
| Optical fibre standard | ITU-T G.657.A1 | |
| Material outer sheath | Polyamide | |
| Colour outer sheath | Black | |
| Halogen free | Acc. IEC 60754-1 | |
| Halogen free (acc. EN 50267-2-2) | Yes | |
| UV-protection | ISO 4892/2 | |
| Termite protected | Yes | |
| Cable metal free | Yes | |
| Longitudinal water blocking | Yes | |
| Installation temperature | -15 / 50 | °C |
| Operation temperature range | Article dependant, see detail sheet | °C |
| Transportation and storage temperature | Article dependant, see detail sheet | °C |
| Attenuation @ 1310 nm | 0.36 | dB/km |
| Attenuation @ 1550 nm | 0.25 | dB/km |
| Attenuation @ 1625 nm | 0.35 | dB/km |
| Construction and Colour codes | zie bijlagen | |



No rights whatsoever can be derived from the contents of this document

Fibre optic cables

MUC



www.ace-fibreoptic.com

| Partnumber | Description | Outer diameter approx. (mm) | Net weight (Kg/km) | Bending radius after installation (mm) | Bending radius during installation | Tensile load short term (Tm) (N) |
|------------|-----------------|-----------------------------|--------------------|--|------------------------------------|----------------------------------|
| 74618 | 2x SM G.657.A1 | 2,45 | 5 | 20 | 30 | 200 |
| 74619 | 4x SM G.657.A1 | 2,45 | 5 | 20 | 30 | 200 |
| 74617 | 6x SM G.657.A1 | 2,45 | 5 | 20 | 30 | 200 |
| 74620 | 8x SM G.657.A1 | 2,45 | 5 | 20 | 30 | 200 |
| 74615 | 12x SM G.657.A1 | 2,45 | 5 | 20 | 30 | 250 |
| 74937 | 24x SM G.657.A1 | 3,0 | 7 | 30 | 45 | 250 |

Copyright (c) TKF, 11-04-2013

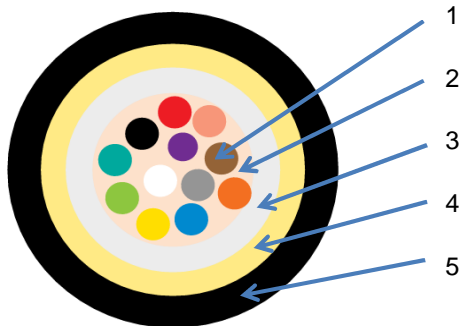
No rights whatsoever can be derived from the contents of this document

Product information

Cable construction and Color code

MUC

Micro Unitube Cable



Description:

- | | |
|---|-------------------------------|
| 1 | Optical fibres |
| 2 | Jelly-filling |
| 3 | Central tube |
| 4 | Reinforcement of armide yarns |
| 5 | Outer sheath (PA) |

Standard Colours:

| Fibres | |
|----------|-----------|
| Fibrenr. | |
| 1 | Red |
| 2 | Green |
| 3 | Blue |
| 4 | Yellow |
| 5 | White |
| 6 | Grey |
| 7 | Brown |
| 8 | Violet |
| 9 | Turquoise |
| 10 | Black |
| 11 | Orange |
| 12 | Pink |

Fibre optic cables

SFU



www.ace-fibreoptic.com



SFU - Smooth Fibre Unit.

Smooth Fibre Unit, bundle of low bend radius, no waterpeak G.657.A1 fibres, encapsulated by a dry acrylate layer and protected by a smooth, slightly ribbed polyethylene outer sheath, for application in the access network. Installation: blowing into microducts of 3.5mm. or 4.0mm. (inside diameter)

| Characteristics | Properties | Unit |
|--|----------------------------|-------|
| Product group | Mini/micro cables | |
| Series | Glasvezelkabel Single Mode | |
| Type | SFU | |
| Standardization | IEC 60794-5-20 | |
| Test procedures | IEC 60794-1-2 | |
| Application | Inside/outside | |
| Blow in | Yes | |
| Optical Element | Central tube | |
| Fibre type | Single mode | |
| Optical fibre standard | ITU-T G.657.A1 | |
| Material outer sheath | PE | |
| Colour outer sheath | Yellow | |
| Cable metal free | Yes | |
| Installation temperature | -5 / 50 | °C |
| Operation temperature range | -30 / 50 | °C |
| Transportation and storage temperature | -40 / 50 | °C |
| Attenuation @ 1310 nm | 0.40 | dB/km |
| Attenuation @ 1550 nm | 0.30 | dB/km |
| Construction and Colour codes | zie bijlagen | |

| Partnumber | Description | Outer diameter approx. (mm) | Net weight (Kg/km) | Bending radius after installation (mm) | Bending radius during installation | Tensile load short term (Tm) (N) |
|------------|-----------------|-----------------------------|--------------------|--|------------------------------------|----------------------------------|
| 520060 | 2x SM G.657.A1 | 1,4 | 2 | 40 | 40 | 20 |
| 520061 | 4x SM G.657.A1 | 1,4 | 2 | 40 | 40 | 20 |
| 520064 | 6x SM G.657.A1 | 1,4 | 2 | 40 | 40 | 25 |
| 520065 | 8x SM G.657.A1 | 1,5 | 2 | 50 | 50 | 30 |
| 520066 | 12x SM G.657.A1 | 1,7 | 3 | 50 | 50 | 30 |

Copyright (c) TKF, 11-12-2013

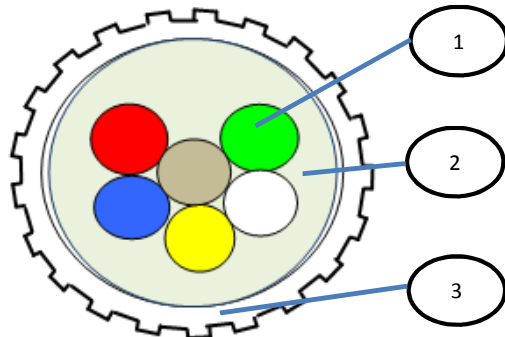
No rights whatsoever can be derived from the contents of this document

Product information

Cable construction and colour code

SFU

Smooth Fibre Unit



Description:

- 1 Optical Fibres
- 2 Inner layer (Acrylate)
- 3 Outer sheath (PE)

Standard Colours:

| | Fibre |
|-----------------|---------------|
| Fibrenr. | Colour |
| 1 | Red |
| 2 | Green |
| 3 | Blue |
| 4 | Yellow |
| 5 | White |
| 6 | Grey |
| 7 | Brown |
| 8 | Violet |
| 9 | Turquoise |
| 10 | Black |
| 11 | Orange |
| 12 | Pink |