

# SIROCCO Nano IO

Loose Tube Optical Minicables for use in Ducts



**SIROCCO**

## GENERAL INFO

### APPLICATION

This loose tube dielectric optical cable is designed for Indoor/outdoor installation in ducts and microducts by blowing techniques.

Sheath colour and cabled fibre datasheet:

- SM Black C06
- SM Orange C06

Reaction-to-fire, CPR classification

Eca

Identification of cores

Colour coding FIN2012

## CERTIFICATIONS AND DESIGN STANDARDS

**CE RoHS**



**EN 50575:2014+A1:2016**  
**IEC 60754-1**

**EN 13501-6, class Eca**  
**IEC 60754-2**

**IEC 60794-1**

**IEC 60332-1**

## CABLE DESIGN

|                                   |                      |
|-----------------------------------|----------------------|
| Range                             | From 12 to 96 fibres |
| With strain relief                | Yes                  |
| Longitudinal water blocking cable | Yes                  |
| Radial water blocking cable       | Yes                  |
| Rip cord                          | Yes                  |
| Outer sheath                      | HFFR                 |
| Type of tube                      | Stranded loose tube  |
| Cable metal free                  | Yes                  |

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## APPLICATION PROPERTIES

|   |  |
|---|--|
| Permitted cable outer temperature after assembling without vibration (min) [°C] | -40  |
| Permitted cable outer temperature after assembling without vibration (max) [°C] | 70   |
| Crush (acc. IEC 60794-1-21, E3) [N/10cm]  | 350  |
| UV resistant  | Yes  |
| Permitted cable outer temperature during assembling/handling (min) [°C]         | -10  |
| Permitted cable outer temperature during assembling/handling (max) [°C]         | 60   |
| Minimum permissible bending radius during laying                                | 20 x D under maximum tension, 10 x D without tension |
| Blow in   | Yes  |

## FIRE PROPERTIES

|                                      |                               |
|--------------------------------------|-------------------------------|
| Reaction-to-fire, CPR classification | Eca                           |
| Flame retardant                      | In accordance with EN 13501-6 |
| Halogen free                         | acc. IEC/EN 60754-1/2         |
| Low smoke                            | acc. IEC/EN 61034-2           |
| Low smoke (acc. IEC 61034-2)         | Yes                           |

## DELIVERY INFO

| Product description (short) | Snro    | DOP number | Diameter over cable [mm] | Max. tensile strength during installation [kN] | Weight [kg/km] | Standard delivery length |
|-----------------------------|---------|------------|--------------------------|--|----------------|--------------------------|
| 12xSM                       | 0241028 | 1004123    | 7                        | 0.7  | 45             | 4,000                    |
| 2x12xSM                     | 0241029 | 1004123    | 7                        | 0.7  | 45             | 4,000                    |
| 4x12xSM OR                  | 0241993 | 1004123    | 7                        | 0.7  | 45             | 4,000                    |
| 4x12xSM                     | 0241030 | 1004123    | 7                        | 0.7  | 45             | 4,000                    |
| 8x12xSM                     | 0202116 | 1004123    | 8.2                      | 1  | 60             | 4,000                    |

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