

Data Sheet for Article: HSEUBH084T

# FO Universal Cable A/I-DQ(ZN)BH

## 8x50/125µm OM4, LS0H-3, Dca

nonmetallic rodent protection, black, 8mm, 5000N, Drum 2100m



### Technical Data

|                              |                        |
|------------------------------|------------------------|
| Fibre count                  | 8                      |
| Net diameter (mm)            | 7,90                   |
| Diameter - Central tube (mm) | 4                      |
| Primary coating (µm)         | 250 ± 15               |
| Net weight (kg)              | 0,07                   |
| Suitable                     | Universal cable        |
| Watertightness               | Yes                    |
| Rodent protection            | Yes                    |
| Predicted lifetime           | > 30 Years             |
| Crush resistance (N/m )      | ≤ 10000                |
| Cable jacket                 | LS0H-3                 |
| Flame retardancy             | Pass                   |
| Halogen-free                 | pH ≥ 3,5 - µS/cm ≤ 100 |
| Smoke Density                | Pass                   |

## Technical Data - continued

|                                            |                       |
|--------------------------------------------|-----------------------|
| Euroclass acc. to EN50575                  | Dca                   |
| Smoke production                           | s2                    |
| Droplets                                   | d1                    |
| Acidity                                    | a1                    |
| Temperature range - Transport/storage (°C) | -30 to +70            |
| Temperature range - Installation (°C)      | -5 to +50             |
| Temperature range - Operation (°C)         | -30 to +70            |
| Pulling tension - Long term (N)            | ≤ 2500                |
| Pulling tension - Short term (N)           | ≤ 5000                |
| Bending radii cable - Static (Ø)           | 10 x Ø                |
| Bending radii cable - Dynamic (Ø)          | 15 x Ø                |
| Bending radii for fibres and tubes (Ø)     | > 25                  |
| Mode-Field / Cladding diameter (µm)        | 50 ± 2,5   125 ± 1    |
| Wavelength (nm)                            | 850   1300            |
| Attenuation (dB/km)                        | 2,5 / 3,0   0,5 / 1,0 |
| Bandwidth (MHz*km)                         | ≥ 3500   ≥ 500        |
| Ehternet performance 1GB (m)               | 900   550             |
| Ehternet performance 10GB (m)              | 550   300             |
| Numerical aperture                         | 0,20 ± 0,015          |
| Refractive Index                           | 1,482   1,477         |

## GUIDE TO INSTALLATION AND HANDLING

- When laying and installing optical fibre cables it is vitally important not to exceed the specified values set for pulling tension, bending radii and temperature. The installation methods have to be in accordance with the common standards.
- To ease insertion into tubes by means of compressed air or pulling wire, certified lubricants (e.g. paraffin) may be used.
- The use of soap or similar substances as lubricants is strictly prohibited.
- If a cable needs to be fastened, constrictions > 0.3 mm must be prevented.
- The jelly filling inside the tubes can be removed using a tissue soaked in turpentine.
- It is advisable to cap the cable-ends during storage.

## Article Table

| DESCRIPTION                                                                                                                 | Order No.  |
|-----------------------------------------------------------------------------------------------------------------------------|------------|
| FO Universal Cable A/I-DQ(ZN)BH 8x50/125µm OM4, LS0H-3, Dca<br>nonmetallic rodent protection, black, 8mm, 5000N, Drum 2100m | HSEUBH084T |
| <b>Optional Accessories</b>                                                                                                 |            |
| FO Splicebox, 8Fibers,LC,50/125µm OM4, sliding, 19", 1U                                                                     | HSELS084LG |
| FO Splicebox, 8Fibers,SC,50/125µm OM4, sliding, 19", 1U                                                                     | HSELS084CG |