

Data Sheet for Article: HSEAIBH166

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

## 16x62,5/ 125, OM1, LS0H-3, Dca

nonmetallic rodent protection, black, 8mm, 5000N



### SCHRACK-Info

- For indoor- and outdoor- use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. Support of all computer network applications, e.g. FDDI, Gigabit Ethernet and ATM.
- Suitable for direct burial.
- Easy to install in ducts, tunnels and trenches.

### FEATURES AND BENEFITS

- These cables are all dielectric and therefore immune to lightning and electromagnetic interference (EMC-safe), spark-free and requires no earthing.
- Rodent protection.
- Predicted lifetime > 30 years.



### Technical Data

|                              |      |
|------------------------------|------|
| Fibre count                  | 16   |
| Net diameter (mm)            | 7,90 |
| Diameter - Central tube (mm) | 4    |

## Technical Data - continued

|                                            |                         |
|--------------------------------------------|-------------------------|
| 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                               | Yes                     |
| Smoke Density                              | Pass                    |
| 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)            | ≤ 1500                  |
| Pulling tension - Short term (N)           | ≤ 3000                  |
| 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)        | 62,5 ± 2,5   125 ± 1    |
| Wavelength (nm)                            | 850   1300              |
| Attenuation (dB/km)                        | 2,7 / 3,2   0,6 / 1,1   |
| Bandwidth (MHz*km)                         | ≥ 200   ≥ 600           |
| Ehternet performance 1GB (m)               | 275   550               |
| Ehternet performance 10GB (m)              | 33   300                |
| Numerical aperture                         | 0,275 ± 0,015           |
| Refractive Index                           | 1,495   1,490           |
| Net length (mm)                            | 1.000,00                |
| Min. ambient temperature (°C)              | -30                     |
| Max. ambient temperature (°C)              | 70                      |
| Fiber                                      | 62,5/125µ OM1 multimode |

## 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 16x62,5/125,OM1, LS0H-3, Dca<br>nonmetallic rodent protection, black, 8mm, 5000N | HSEAIBH166 |
| <b>Optional Accessories</b>                                                                                      |            |
| Back to back cable tie black 16mm x 4m                                                                           | Q7KB0416-S |
| Back to back cable tie blue 16mm x 4m                                                                            | Q7KB0416-B |
| Back to back cable tie red 16mm x 4m                                                                             | Q7KB0416-R |
| Back to back cable tie yellow 16mm x 4m                                                                          | Q7KB0416-Y |
| Back to back cable tie green 16mm x 4m                                                                           | Q7KB0416-U |