



## HITRONIC® HQN OUTDOOR CABLE

GOF - Glass Optical Fibre



### Info

**A-DQ(ZN)B2Y**  
Outdoor cable with central loose tube and non-metallic strain relief

### Benefits

- Suitable for direct burial
- Easy to install due to the compact design, high flexibility, robust sheath and small bending radii
- UV and water-resistant
- Zero electromagnetic interference as the cable contains no metal

### Application range

- For outdoor use
- Campus backbone
- WAN applications
- Industrial environments
- Methods of Deployment: empty plastic pipes, ducts and trays

### Product features

- Central loose tube with up to 24 fibres
- Colour-coded fibres
- Longitudinal watertight
- Rodent-protection
- Robust, halogen-free outer sheath

### Design

- Glass fibres with primary coating
- Gel-filled loose tube
- Water-blocking reinforced glass yarn strain relief
- PE outer sheath
- Colour: black (RAL 9005)

### Technical data



**Optical fibre type:**  
Core material: glass  
Cladding material: glass



**Temperature range:**  
Fixed installation: -40°C to +70°C



**Permissible bending radius:**  
Static:  $\geq 15 \times$  outer diameter  
Dynamic:  $\geq 20 \times$  outer diameter

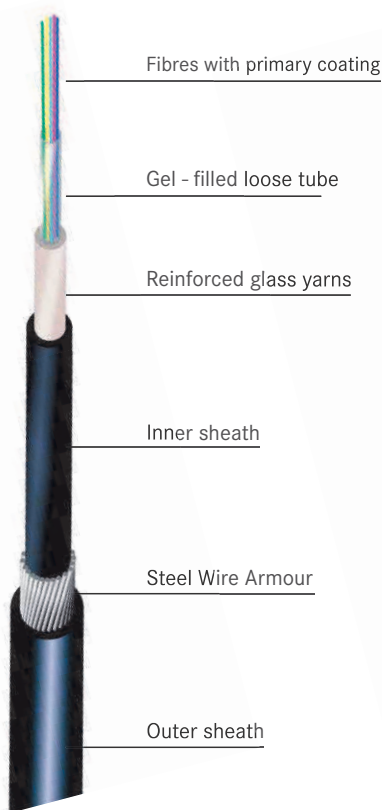


**Permissible tensile force:**  
Fixed installation: 1500 N  
Short-term: 2000 N

| Article Number              | Fibre type   | Number of fibres | Outer diameter (mm) | Approx Weight (kg/km) |
|-----------------------------|--------------|------------------|---------------------|-----------------------|
| <b>Multimode G 50 OM3</b>   |              |                  |                     |                       |
| 27600304                    | 50/125 OM3   | 4                | 7,3                 | 40                    |
| 27600304                    | 50/125 OM3   | 8                | 7,3                 | 40                    |
| 27600312                    | 50/125 OM3   | 12               | 7,3                 | 40                    |
| 27600324                    | 50/125 OM3   | 24               | 8,3                 | 65                    |
| <b>Multimode G 50 OM2</b>   |              |                  |                     |                       |
| 27600204                    | 50/125 OM2   | 4                | 7,3                 | 40                    |
| 27600208                    | 50/125 OM2   | 8                | 7,3                 | 40                    |
| 27600212                    | 50/125 OM2   | 12               | 7,3                 | 40                    |
| 27600224                    | 50/125 OM2   | 24               | 8,3                 | 65                    |
| <b>Multimode G 62.5 OM1</b> |              |                  |                     |                       |
| 27600104                    | 62.5/125 OM1 | 4                | 7,3                 | 40                    |
| 27600108                    | 62.5/125 OM1 | 8                | 7,3                 | 40                    |
| 27600112                    | 62.5/125 OM1 | 12               | 7,3                 | 40                    |
| 27600124                    | 62.5/125 OM1 | 24               | 8,3                 | 65                    |
| <b>Single-mode E 9 OS2</b>  |              |                  |                     |                       |
| 27600904                    | 9/125 OS2    | 4                | 7,3                 | 40                    |
| 27600908                    | 9/125 OS2    | 8                | 7,3                 | 40                    |
| 27600912                    | 9/125 OS2    | 12               | 7,3                 | 40                    |
| 27600924                    | 9/125 OS2    | 24               | 8,3                 | 65                    |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Photographs are not to scale and do not represent detailed images of the respective products

**AVAILABLE ALSO IN:** Special armouring



### HITRONIC® ARMOUR SWA

Fibre optic cable with steel wire armouring (SWA)

#### Benefits

- High mechanical protection against accidental impacts
- Excellent rodent protection
- Suitable for direct burial
- UV and water-resistant

#### Application range

- Heavy industrial areas
- For indoor or outdoor use
- Methods of deployment: empty plastic pipes, ducts and trays

#### Technical data

**Fibre**  
 Core/Cladding material: Glass/Glass  
 Type of fibre: Singlemode 9/125 OS2;  
 Multimode 50/125 OM4, 50/125 OM3,  
 50/125 OM2, and 62.5/125 OM1  
 No. of fibres: 4-144



### HITRONIC® ARMOUR SWA LEAD

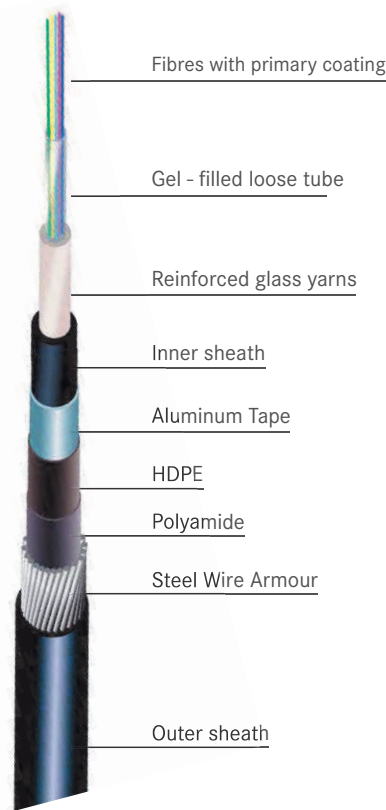
Fibre optic cable with extruded lead armouring for chemical protection

#### Benefits

- Protection against hydrocarbons and other chemicals
- Excellent rodent protection
- High mechanical protection against accidental impacts

#### Application range

- Harsh oil and chemical environments
- Heavy industrial areas
- For direct burial, especially in the presence of oil and aggressive chemical substances



### HITRONIC® ARMOUR SWA AL/HDPE/PA

Fibre optic cable with aluminum tape and additional HDPE and PA sheaths for water and chemical protection

#### Benefits

- Aluminum tape acts as a barrier to prevent water penetration
- Cost-effective protection against hydrocarbons and other aggressive chemicals (EN 50288-7)
- High mechanical protection

#### Application range

- Harsh oil and chemical environments
- Heavy industrial areas
- For direct burial, especially in the presence of oil and aggressive chemical substances

Inner and outer sheath materials are based on the area of installation:  
 • For outdoors, PE or PVC is used  
 • For indoor use, where flame retardance is required, LSZH material is used

Photographs are not to scale and do not represent detailed images of the respective products.