

HITRONIC® HUN UNIVERSAL CABLE

GOF - Glass Optical Fibre



Info

A/J-DQ(ZN)BH or U-DQ(ZN)BH
Universal cable with central loose tube and non-metallic strain relief

Benefits

- Flame retardance makes it suitable for indoor and outdoor installations
- 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 indoor and outdoor use
- Campus backbone
- Industrial environments
- Methods of Deployment: empty plastic pipes, ducts and trays





Product features

- Flame-retardant and halogen-free outer sheath
- Central loose tube with up to 24 fibres
- Colour-coded fibres
- Longitudinal watertight
- Rodent-protection

Design

- Glass fibres with primary coating
- Gel-filled loose tube
- Water-blocking reinforced glass yarn strain relief
- LSZH outer sheath
- Colour: dark grey

Technical data

-  **Optical fibre type:**
Core material: glass
Cladding material: glass
-  **Temperature range:**
Fixed installation: -30°C to +70°C
-  **Permissible bending radius:**
Static: ≥ 15 x outer diameter
Dynamic: ≥ 20 x 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)
Multimode G 50 OM3				
27400304	50/125 OM3	4	7,3	53
27400308	50/125 OM3	8	7,3	53
27400312	50/125 OM3	12	7,3	53
27400324	50/125 OM3	24	8,3	60
26400324	50/125 OM3	24	9,3	84
26400348	50/125 OM3	48	11,0	109
Multimode G 50 OM2				
27400204	50/125 OM2	4	7,3	53
27400208	50/125 OM2	8	7,3	53
27400212	50/125 OM2	12	7,3	53
27400224	50/125 OM2	24	8,3	60
Multimode G 62.5 OM1				
27400104	62.5/125 OM1	4	7,3	53
27400108	62.5/125 OM1	8	7,3	53
27400112	62.5/125 OM1	12	7,3	53
27400124	62.5/125 OM1	24	8,3	60
Single-mode E 9 OS2				
27400904	9/125 OS2	4	7,3	53
27400908	9/125 OS2	8	7,3	53
27400912	9/125 OS2	12	7,3	53
27400924	9/125 OS2	24	8,3	60
26400924	9/125 OS2	24	9,3	84
26400948	9/125 OS2	48	11,0	109
26400972	9/125 OS2	72	12,6	148
26400996	9/125 OS2	96	14,3	190
26400944	9/125 OS2	144	17,0	221

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



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: ≥ 15 x outer diameter
Dynamic: ≥ 20 x 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)
Multimode G 50 OM3				
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
Multimode G 50 OM2				
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
Multimode G 62.5 OM1				
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
Single-mode E 9 OS2				
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

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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



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

■ 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



Temperature range

-40 °C to + 70 °C



Tensile force (maximum)

3000 N

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

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