



## HITRONIC® FIRE

Special Applications



**Info**

**A/J-DQ(ZN)BH(SR)H or U-DQ(ZN)BH(SR)H**  
**Fire-resistant cable designed according to IEC 60331-25**  
**System integrity for at least 90 minutes in the event of fire**

**Benefits**

- Ensures that the fibres can still transmit data during and after a fire (according to IEC 60331-25)
- Suitable for installation in underground tunnels where fire safety is critical
- Additional sheath protects the fibres for use in harsh environments
- Armouring provides excellent protection against high mechanical stress and rodents
- UV-resistant longitudinally and laterally watertight

**Application range**

- In industrial areas that use fire as a tool
- Highly combustible or fire-prone areas
- For indoor and outdoor use
- Methods of Deployment: empty plastic pipes, ducts and trays

**Product features**

- Fire behaviour:
  - Halogen-free (IEC 60754-1)
  - Flame-retardant (IEC 60332-3)
  - Low smoke density (IEC 61034-1/2)
  - Circuit integrity (IEC 60331-25); 90 min Optical fibre cables
- Central loose tube with up to 24 fibres
- Colour-coded fibres
- Longitudinal watertight
- Flame-retardant and halogen-free outer sheath

**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: 2200 N

**Design**

- Gel-filled loose tube
- Water-blocking reinforced glass yarn strain relief
- Corrugated steel tape armour
- LSZH inner and outer sheaths
- Colour: black (RAL 9005)

Article Number	Fibre type	Number of fibres	Outer diameter (mm)	Approx Weight (kg/km)
<b>Multimode G 50 OM3</b>				
27560304	50/125 OM3	4	9,8	123
27560308	50/125 OM3	8	9,8	123
27560312	50/125 OM3	12	12,8	188
27560324	50/125 OM3	24	12,8	188
<b>Multimode G 50 OM2</b>				
27560204	50/125 OM2	4	9,8	123
27560208	50/125 OM2	8	9,8	123
27560212	50/125 OM2	12	12,8	188
27560224	50/125 OM2	24	12,8	188
<b>Multimode G 62.5 OM1</b>				
27560104	62.5/125 OM1	4	9,8	123
27560108	62.5/125 OM1	8	9,8	123
27560112	62.5/125 OM1	12	12,8	188
27560124	62.5/125 OM1	24	12,8	188
<b>Single-mode E 9 OS2</b>				
27560904	9/125 OS2	4	9,8	123
27560908	9/125 OS2	8	9,8	123
27560912	9/125 OS2	12	12,8	188
27560924	9/125 OS2	24	12,8	188

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