

HITRONIC® FIRE

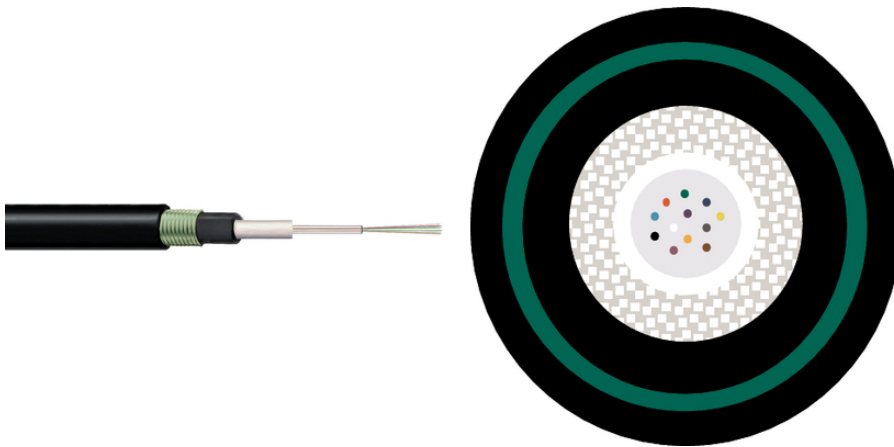
Safety cable with central loose tube, LSZH inner and outer sheath, corrugated steel tape; halogen-free

HITRONIC® FIRE- A/J-DQ(ZN)BH(SR)H- security cable with central loose tube, inner and outer sheath, corrugated steel tape, with single-mode or multimode fibres

Info

Fire-resistant for at least
180 minutes in the event of fire

* Cable had been tested
to withstand 180 min



Mechanical and plant engineering



Oil & Gas



Halogen-free



Heat-resistant



Mechanical resistance



UV-resistant



Waterproof

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

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You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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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 60332-3-24)
 - Low smoke density (IEC 61034-1/2)
 - Circuit integrity (IEC 60331-25);
 Optical fibre cables
 Central loose tube with up to 24 fibres
 Colour-coded fibres
 Longitudinal watertight
 Outer sheath flame-retardant and halogen-free

Product Make-up

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

Technical Data

| | |
|-----------------------------|------------------------------------------------------------------------------|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000034 ETIM 5.0 Class-Description: Fibre optic cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000034 ETIM 6.0 Class-Description: Fibre optic cable |
| Dimensions: | Primary coated fibre: 250µm Cable: see table |
| Core identification code: | Fibre colour code see data sheet |
| Fibre type: | GOF - Glass Optical Fibre |
| Standard designation: | A/J-DQ(ZN)BH(SR)H |
| Optical values: | see data sheet |
| Optical fibre type: | Core material: glass Cladding material: glass |
| Permissible bending radius: | Static: ≥ 15 x outer diameter Dynamic: ≥ 20 x outer diameter |
| Permissible tensile force: | Fixed installation: 1500 N Short-term: 2200 N |
| Temperature range: | Fixed installation: -30 °C to +70 °C |

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Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

The cables can also be supplied as pre-terminated fibre optic trunks.

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

Available on request with Multimode OM4 fibres.

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| Article number | Article designation | Fibre type | Number of fibres | Outer diameter [mm] | Weight (kg/km) |
|----------------------|---------------------------------|--------------|------------------|---------------------|----------------|
| Multimode G 50 OM3 | | | | | |
| 27560304 | HITRONIC® FIRE 4G 50/125 OM3 | 50/125 OM3 | 4 | 9.6 | 123 |
| 27560308 | HITRONIC® FIRE 8G 50/125 OM3 | 50/125 OM3 | 8 | 9.6 | 123 |
| 27560312 | HITRONIC® FIRE 12G 50/125 OM3 | 50/125 OM3 | 12 | 9.6 | 123 |
| 27560324 | HITRONIC® FIRE 24G 50/125 OM3 | 50/125 OM3 | 24 | 12.6 | 188 |
| Multimode G 50 OM2 | | | | | |
| 27560204 | HITRONIC® FIRE 4G 50/125 OM2 | 50/125 OM2 | 4 | 9.6 | 123 |
| 27560208 | HITRONIC® FIRE 8G 50/125 OM2 | 50/125 OM2 | 8 | 9.6 | 123 |
| 27560212 | HITRONIC® FIRE 12G 50/125 OM2 | 50/125 OM2 | 12 | 9.6 | 123 |
| 27560224 | HITRONIC® FIRE 24G 50/125 OM2 | 50/125 OM2 | 24 | 12.6 | 188 |
| Multimode G 62.5 OM1 | | | | | |
| 27560104 | HITRONIC® FIRE 4G 62.5/125 OM1 | 62.5/125 OM1 | 4 | 9.6 | 123 |
| 27560108 | HITRONIC® FIRE 8G 62.5/125 OM1 | 62.5/125 OM1 | 8 | 9.6 | 123 |
| 27560112 | HITRONIC® FIRE 12G 62.5/125 OM1 | 62.5/125 OM1 | 12 | 9.6 | 123 |
| 27560124 | HITRONIC® FIRE 24G 62.5/125 OM1 | 62.5/125 OM1 | 24 | 12.6 | 188 |
| Single-mode E 9 OS2 | | | | | |
| 27560904 | HITRONIC® FIRE 4E 9/125 OS2 | 9/125 OS2 | 4 | 9.6 | 123 |
| 27560908 | HITRONIC® FIRE 8E 9/125 OS2 | 9/125 OS2 | 8 | 9.6 | 123 |
| 27560912 | HITRONIC® FIRE 12E 9/125 OS2 | 9/125 OS2 | 12 | 9.6 | 123 |
| 27560924 | HITRONIC® FIRE 24E 9/125 OS2 | 9/125 OS2 | 24 | 12.6 | 188 |

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