

HITRONIC® FIRE

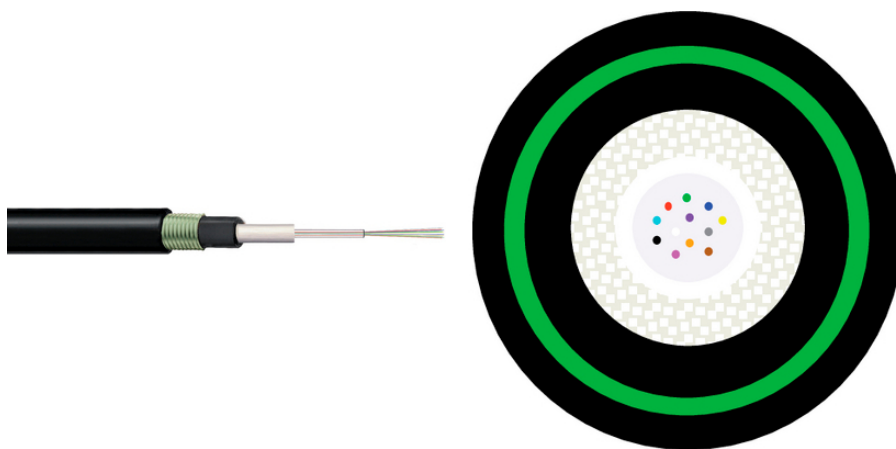
Safety cable with central loose tube, LSZH inner and outer sheath, corrugated steel tape; halogen-free

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

Last Update (22.02.2024)

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Product Management www.lappkabel.de

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)
- 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: $\geq 15 \times$ outer diameter Dynamic: $\geq 20 \times$ 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)
Multimodale G50 OM4					
27560404	HITRONIC FIRE 4G 50/125 OM4	50/125 OM4	4	9.6	123
27560408	HITRONIC FIRE 8G 50/125 OM4	50/125 OM4	8	9.6	123
27560412	HITRONIC FIRE 12G 50/125 OM4	50/125 OM4	12	9.6	123
27560424	HITRONIC FIRE 24G 50/125 OM4	50/125 OM4	24	12.6	188
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

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Article number	Article designation	Fibre type	Number of fibres	Outer diameter [mm]	Weight (kg/km)
	OS2				
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