

U.I. Lapp GmbH	PRODUCT INFORMATION	
	HITRONIC® FIRE	07.11.2014

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



Halogen-free



Heat-resistant



Industrial machinery and plant engineering



Mechanical resistance



Oil & Gas



UV-resistant



Waterproof

Info

A/J-DQ(ZN)BH(SR)H or U-DQ(ZN)BH(SR)H

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

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

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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

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)

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
 Flame-retardant and halogen-free outer sheath

Remark


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 are not to scale and do not represent detailed images of the respective products.
 Available on request with Multimode OM4 fibres.

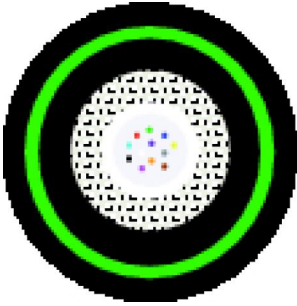
Technical Data

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

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Part 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	9.8	123
27560308	HITRONIC® FIRE 8G 50/125 OM3	50/125 OM3	8	9.8	123
27560312	HITRONIC® FIRE 12G 50/125 OM3	50/125 OM3	12	12.8	188
27560324	HITRONIC® FIRE 24G 50/125 OM3	50/125 OM3	24	12.8	188
Multimode G 50 OM2					
27560204	HITRONIC® FIRE 4G 50/125 OM2	50/125 OM2	4	9.8	123
27560208	HITRONIC® FIRE 8G 50/125 OM2	50/125 OM2	8	9.8	123
27560212	HITRONIC® FIRE 12G 50/125 OM2	50/125 OM2	12	12.8	188
27560224	HITRONIC® FIRE 24G 50/125 OM2	50/125 OM2	24	12.8	188
Multimode G 62.5 OM1					
27560104	HITRONIC® FIRE 4G 62.5/125 OM1	62.5/125 OM1	4	9.8	123
27560108	HITRONIC® FIRE 8G 62.5/125 OM1	62.5/125 OM1	8	9.8	123
27560112	HITRONIC® FIRE 12G 62.5/125 OM1	62.5/125 OM1	12	12.8	188
27560124	HITRONIC® FIRE 24G 62.5/125 OM1	62.5/125 OM1	24	12.8	188
Single-mode E 9 OS2					
27560904	HITRONIC® FIRE 4E 9/125 OS2	9/125 OS2	4	9.8	123
27560908	HITRONIC® FIRE 8E 9/125 OS2	9/125 OS2	8	9.8	123
27560912	HITRONIC® FIRE 12E 9/125 OS2	9/125 OS2	12	12.8	188
27560924	HITRONIC® FIRE 24E 9/125 OS2	9/125 OS2	24	12.8	188

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