

SELF-EXTINGUISHING HALOGEN FREE RIGID PIPE FOR ELECTRICAL INSTALLATION



Application:

Rigid pipe is used for distribution and protection of cables in building and industrial electrical installations. Recommended for places, with an increased risk of fire hazard (wooden constructions, lofts, garrets, etc.) and tightened security against toxic chemical compounds (halogen free). It ensures high strength and resistance to mechanical factors. Pipe has ideally smooth surface.

Standard length of the rigid electro-installation pipes is 3 m.

Characteristics of material:

Free from halogen (phosphorus and cadmium) self-extinguishing/flame retardant, high-bending and crack resistance, well balanced elongation and elasticity behaviour as well as high abrasion-resistance, high tensile strength, rigidity, high impact strength.



RL-HF-FR

EU Designation (EN 61386-1):

22331

Mechanical strength: **320N (light)**

2

Impact resistance: **1,0 kg/100mm (light)**

2

Temperature range (application, installation):
from -15°C to +110°C

3 3

Flexibility: **rigid**

1

Flammability: **self-extinguishing HB (UL94)**

Material: **special plastic**



RS-HF-FR

EU Designation (EN 61386-1):

33331

Mechanical strength: **750N (medium)**

3

Impact resistance: **2,0 kg/100mm (medium)**

3

Temperature range (application, installation):
from -15°C to +110°C

3 3

Flexibility: **rigid**

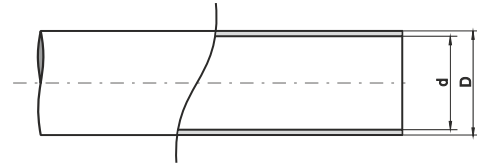
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Flammability: **self-extinguishing HB (UI94)**

Material: **special plastic**



RL-HF-FR RS-HF-FR



Standard diameters

Nominal diameter DN (mm)	d RL Inside diameter (mm)	d RS Inside diameter (mm)	D Outside diameter (mm)	Quantity in bundle (m)
13	11	10,5	13	60
16	14	13	16	60
18	16	15	18	60
20	18	17	20	60
22	20	19	22	60
25	22	21	25	60
28	25	24	28	45
32	29	28	32	30
37	33	32	37	18
40	36	35	40	18

Resistance to selected chemical compounds

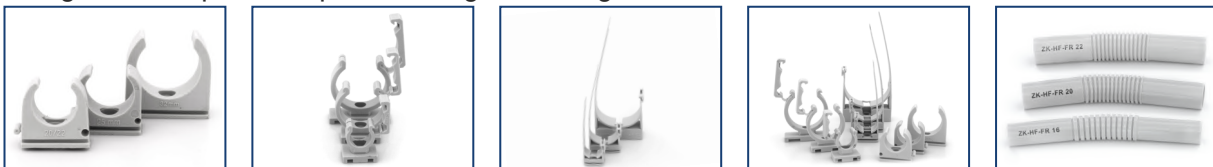
Acids	weak	high
	strong	high
	oxidized	lack
	hydrofluoric	medium
Bases	dry halogens	medium
	weak	high
	strong	high
Solvents	alcohols	high
	esters	medium
	ketones	medium
	ethers	medium
	chlorinated hydrocarbons	medium
Oil and diesel materials	benzene	medium
	petrol	medium
	diesel mixtures	medium
	mineral oils	high
	fatty oils	high

PN-EN 60423 diameters

Places of Applications

	RL-HF-FR	RS-HF-FR
Wall installations	recommended	recommended
Sunk installations	admissible	admissible
Outer wall installations	not allowed	not allowed
Plaster walls	recommended	recommended
Combustible surfaces (wood, etc.)	recommended	recommended
Underground installations	not allowed	not allowed
Poured concrete, vibrated concrete	not allowed	admissible
Steamed and vibrated concrete	not allowed	not allowed
Electrotechnical equipment, industrial apparatus	admissible	recommended
Control and automatics	admissible	admissible
Food and chemical industry facilities	admissible	recommended
Automotive industry	recommended	recommended
Shipyard industry	recommended	recommended
Aircraft industry	recommended	recommended

Halogen free Lapafil clamps and halogen free Ingre mio connectors



The specification can be subject of change without notice.



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