

SELF-EXTINGUISHING CORRUGATED CONDUIT FOR ELECTRICAL INSTALLATION



Application:

Corrugated conduit 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. In spite of good strength properties it features high flexibility. Smooth inner profile enables easy cable installation in long sections.

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.

RIL-HF-FR (-P)

EU Designation (EN 61386-1): **22432**

Mechanical strength: 320N (light)	2
Impact resistance: 1,0 kg/100mm (light)	2
Temperature range (application, installation): from -25°C to +110°C	4 3
Flexibility: pliable	2
Flammability: self-extinguishing HB (UI94)	
Material: special plastic	



RIS-HF-FR (-P)

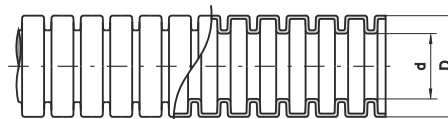
EU Designation (EN 61386-1): **33432**

Mechanical strength: 750N (medium)	3
Impact resistance: 2,0 kg/100mm (medium)	3
Temperature range (application, installation): from -25°C to +110°C	4 3
Flexibility: pliable	2
Flammability: self-extinguishing HB (UI94)	
Material: special plastic	



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Standard diameters			
Nominal diameter DN (mm)	d Inside diameter (mm)	D Outside diameter (mm)	Coil length (m)
7	4,5	7	100, 200
10	7	10	50, 100
14	9	14	25, 50, 100
15	11	15	25, 50, 100
16*	10,5	16	25, 50, 100
18	13	18	25, 50, 100
20*	15	20	25, 50, 100
21	16	21	25, 50, 100
22	18	22	25, 50, 100
25*	19	25	25, 50
28	23	28	25, 50
32	26	32	25, 50
36	29	36	25, 50
39	32	39	25
40	33	40	25
43	36	43	25
47	40	47	25
50	43	50	25
52	44	52	25
54	47	54	25
63	54	63	25

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
 * Available RIS-HF-FR diameters

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

The specification can be subject of change without notice.



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