



H07Z1-R (FQ)



Halogen-fre
e



LSHF



70°C max



-30°C min

H07Z1-R is a halogen-free, flame-retardant, and low-smoke (HFFR) insulated conductor designed for fixed installations. It is primarily used in conduit or duct systems but is also suitable as a connection wire in distribution boards and similar applications.

Thanks to its HFFR insulation, the cable enhances safety by reducing smoke emissions and eliminating corrosive gases in the event of fire, protecting both people and equipment. H07Z1-R is a dependable and durable solution for modern electrical installations where fire safety is crucial.

STANDARDS

Construction

EN 50525-3-31

Conductor

IEC 60228 Class 2

Flame retardant

EN 50575:2014+A1:2016

IEC 60332-1-2

Halogen free

IEC 60754-1

IEC 60754-2

Smoke density

IEC 61034-1

IEC 61034-2

APPROVAL



Dca

CONSTRUCTION

Bending radius - Final mount fixed

4 xOD

Color

According to EN 50525-1

Conductor

Class 2 Bare copper

Insulation

HFFR

Labeling example

H07Z1-R TYPE 1 AMO CE

PROPERTIES

Conductor temperature

70 °C

CPR class

1,5-10mm²: Dca-s2, d1, a1 10-95mm²: Dca-s1, d1, a1

Max temperature

70 °C

Min. temperature

-30 °C

AC Voltage rating U₀/U

450/750V



Name	Cross section [mm ²]	Outer diameter [mm]	Installation Current in open air, ambient temperature 30°C [A]	Total weight [kg/km]
H07Z1-R 1,5	1.5	3	24	19
H07Z1-R 2,5	2.5	3.6	32	32
H07Z1-R 4	4	4.1	42	46
H07Z1-R 6	6	4.7	54	68
H07Z1-R 10	10	6.1	73	109
H07Z1-R 16	16	7	98	163
H07Z1-R 25	25	8.6	129	259
H07Z1-R 35	35	9.8	158	344
H07Z1-R 50	50	11.5	198	483
H07Z1-R 70	70	13.5	245	674
H07Z1-R 95	95	15.8	292	924

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