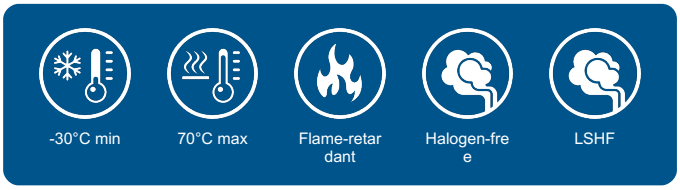


H05Z1-R (FQ)



H05Z1-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. H05Z1-R is a dependable and durable solution for modern electrical installations where fire safety is crucial.

STANDARDS

Conductor
IEC 60228 Class 2

Construction
EN 50525-3-31

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



CONSTRUCTION

Bending radius - Final mount flex
4 xOD

Color
According to EN 50525-1

Conductor
Class 2 Bare copper

Insulation
HFFR

Labeling example
H05Z1-R AMO S CE

PROPERTIES

Conductor temperature
70 °C

CPR class
Dca- s2, d1, a1

Max temperature
70 °C

Min. temperature
-30 °C

AC Voltage rating U_0/U
300/500V

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Name	Cross section [mm²]	Outer diameter [mm]	Installation Current in open air, ambient temperature 30°C [A]	Total weight [kg/km]
H05Z1-R 0,5	0.5	2.2	12	9
H05Z1-R 0,75	0.75	2.3	15	12
H05Z1-R 1	1	2.5	19	14

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