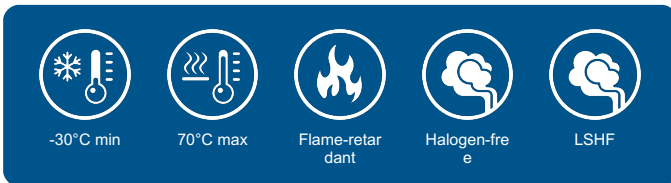




H05Z1-U (EQ)



H05Z1-U is a halogen-free, flame-retardant, and low-smoke (HFFR) insulated solid conductor designed for fixed installations. It is suitable for use in conduit or duct systems, and also as a connection wire in distribution boards, lighting fixtures, and similar applications.

With its HFFR insulation, H05Z1-U enhances fire safety by reducing smoke emissions and eliminating corrosive gases, protecting both people and equipment. It is a reliable choice for modern electrical installations requiring fire safety, long service life, and dependable performance.

STANDARDS

Construction

EN 50525-3-31

Conductor

IEC 60228 Class 1

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 fixed

4 xOD

Color

According to EN 50525-1

Conductor

Class 1. Bare solid copper

Insulation

HFFR

Labeling example

H05Z1-U AMO S CE

PROPERTIES

CPR class

Dca- s2, d1, a1

Max temperature

70 °C

Min. temperature

-30 °C

AC Voltage rating U_0/U

300/500V



Name	Cross section [mm ²]	Outer diameter [mm]	Installation Current in open air, ambient temperature 30°C [A]	Total weight [kg/km]
H05Z1-U 0,5	0.5	2	12	9
H05Z1-U 0,75	0.75	2.2	15	11
H05Z1-U 1	1	2.3	19	14

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