

## H05Z1-R / H07Z1-R



### Applications:

H05Z1-R/H07Z1-R is a 70°C HFFR insulated stranded conductor. Suitable for fixed installation. To be installed in conduit or duct systems, or as connection wire to be used in switch cabinets and similar applications.

### Properties:

Temperature range	-30 to +70 °C
Voltage Rating H05 Uo/U	300/500V
Voltage Rating H07 Uo/U	450/750V

### Standards:

Construction	EN 50525-3-31
Conductor	IEC 60228,2
Flame retardant	EN 50575:2014 + A1:2016
Flame retardant	IEC 60332-1-2
Halogen free	IEC 60754-1, -2
Smoke density	IEC 61034-1, -2

CPR-class: 0,5mm <sup>2</sup> -6mm <sup>2</sup>	Dca- s2, d1, a1
CPR-class: 10mm <sup>2</sup> -95mm <sup>2</sup>	Dca- s1, d1, a1

### Construction

Conductor	Bare or tinned stranded copper
Insulation	HFFR
Minimum bending radius, fixed installation	4xOD
Colour	According to EN 50525-1

Type Code	Cross-section [mm]	Nominal Outer Diameter [mm]	Current rating, installation in open air, ambient 30°C [A]	Total weight [kg/km]
H05Z1-R	0,5	2,2	12	9
H05Z1-R	0,75	2,3	15	12
H05Z1-R	1	2,5	19	14
H07Z1-R	1,5	3,0	24	21
H07Z1-R	2,5	3,6	32	32
H07Z1-R	4	4,1	42	46
H07Z1-R	6	4,7	54	68
H07Z1-R	10	6,1	73	109
H07Z1-R	16	7,0	98	163
H07Z1-R	25	8,6	129	259
H07Z1-R	35	9,8	158	344
H07Z1-R	50	11,5	198	483
H07Z1-R	70	13,5	245	674
H07Z1-R	95	15,8	292	924

