



Conductor

Designation	H05Z1Z1-F: Cables from 2 to 5 conductors (from 0,75mm ² to 4mm ²) 05Z1Z1-F: Cables with more than 5 conductors, and all cables of sections <=0,5mm ²
Conductor	Flexible bare copper wires Class V Acc. to UNE-EN 60228
Insulation	Halogen free compound (Type TI6) Identification: HD 308 S2 (See attached table)
Assembly	Insulated conductors laid up together in concentric layers
Outer sheath	Halogen free compound (Type TM7) Colour: Green

Technical characteristics

Operating voltage	300/500 kV
Test Voltage	2000 V
Operating T^a	Fixed installation: -15°C to +70°C Short-circuit (Max. 5seg): +150°C
Min. bending radius	Fixed installation: 3xD (Diameter <=12 mm) 4xD (Diameter >12 mm) Free movement: 5xD (Diameter <= 12 mm) 6xD (Diameter >12 mm)

Application

Flexible cable suitable for mobile use with halogen-free sheath for ordinary services. In premises where a low level of smoke and corrosive gas emission is required in case of fire.

In domestic and office premises, for applications and power supply of household appliances including humid environments, such as vacuum cleaners, washing machines, dryers and refrigerators. Suitable for outdoor use for short periods of time.

* CPR:

Cable suitable for installation under the requirements of CPR (Construction Product Regulation (EU) No. 305/2011) according to the classification (Euroclass) specified in this document.

Standards / Properties

Ref. for construction/drawing	H05Z1Z1-F: UNE-EN 50525-3-11 05Z1Z1-F: Special design, based on UNE-EN 50525-3-11
CPR Classification (Euroclass)	Cca-s1b,d1,a1 (According to UNE-EN 50575)
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)
Fire Retardant	UNE-EN 60332-3 (IEC 60332-3)
Halogen free	UNE-EN 60754-1 (IEC 60754-1)

Low corrosivity

UNE-EN 60754-2 (IEC 60754-2)

(pH \geq 4,3 ; conductivity \leq 10 μ S/mm)

Low smoke emission

UNE-EN 61034 (IEC 61034)



flame retardant



fire retardant



halogen free



low corrosivity



low smoke
opacity



flexible cable



RoHS
compliant



CPR
compliant
EN 50575
★

Constructive data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I max (A), 30°C
44204705	2 x 0,50	5.3	44	39	3
44207605	3 G 0,50	5.6	51	39	3
44212505	4 G 0,50	6	62	39	3
4421250F	4 x 0,50	6	62	39	3
44215505	5 G 0,50	6.6	73	39	3
44217805	6 G 0,50	7.5	83	39	3
44219305	7 G 0,50	7.5	91	39	3
44221105	8 G 0,50	8	100	39	3
44223405	10 G 0,50	8.7	137	39	3
44225805	12 G 0,50	9.9	155	39	3
44205205	2 x 0,75	5.8	53	26	6
44208105	3 G 0,75	6.4	64	26	6
44213005	4 G 0,75	7.5	87	26	6
44216005	5 G 0,75	8.3	105	26	6
44205405	2 x 1	6.1	62	19.5	10
44208305	3 G 1	6.7	76	19.5	10
44213205	4 G 1	7.5	95	19.5	10
44216105	5 G 1	8.4	118	19.5	10
44218005	6 G 1	9.4	143	19.5	10
44219505	7 G 1	9.4	157	19.5	10
44221305	8 G 1	10.6	189	19.5	10
44223605	10 G 1	11.5	243	19.5	10
44226005	12 G 1	12.5	270	19.5	10
44227305	14 G 1	13	302	19.5	10
44228505	16 G 1	13.8	335	19.5	10
44229705	18 G 1	14.9	370	19.5	10
44230005	19 G 1	14.9	390	19.5	10
44230905	20 G 1	15.5	405	19.5	10
44233205	24 G 1	16.8	510	19.5	10
44234405	25 G 1	17.0	525	19.5	10
44236805	30 G 1	18	591	19.5	10
44239205	37 G 1	20.7	760	19.5	10
44242705	50 G 1	22.3	807	19.5	10
44205505	2 x 1,5	7.6	87	13.3	16
44208405	3 G 1,5	8.3	109	13.3	16
44213305	4 G 1,5	9.3	138	13.3	16
44216205	5 G 1,5	10.3	168	13.3	16
44205705	2 x 2,5	9	131	7.98	20

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I max (A), 30°C
44208605	3 G 2,5	9.8	167	7.98	20
44213505	4 G 2,5	10.7	204	7.98	20
44216305	5 G 2,5	11.9	249	7.98	20
44205805	2 x 4	10.4	179	4.95	25
44208805	3 G 4	11.3	226	4.95	25
44213705	4 G 4	12.3	279	4.95	25
44216405	5G4			4.95	25

Legend

Code	Cervi codification
NxS (mm2)	Number of conductors x Section (mm2)
Ø (mm)	Aprox. outer diameter (mm)
Weight (kg/km)	Approximate cable weight (kg/km)
R at 20°C (Ohm/Km)	Conductor resistance at 20°C (Ohm/km)

Colour table

N° Conductors	Insulation colour
2x	Blue, Brown
3x	Brown, Black, Grey
3G	Blue, Brown, Yellow/Green
4x	Blue, Brown, Black, Grey
4G	Brown, Black, Grey, Yellow/Green
5G	Blue, Brown, Black, Grey, Yellow/Green
> 5 (G)	Black numbered + Yellow/Green
> 5 (x)	Black numbered