



Construction

Conductor	Flexible bare copper wires Class V Acc. to UNE-EN 60228
Insulation	XLPE (Type DIX-3) Identification: HD 308 S2 (See attached table)
General assembly	Insulated conductors laid up together in concentric layers
Inner sheath	Halogen free compound
Armour	Galvanised steel wire armour *In case of single cores (RZ1MAZ1-K) the armour will be made of aluminium wires.
Outer sheath	Halogen free compound Colour: Green

Technical characteristics

Operating voltage	600/1000 V
Test Voltage	3500 V
Operating T^a (conductor)	Fixed service: -15°C +90°C During installation: 0°C Min. Short-circuit: 250°C (5 seg. Max)
Min. bending radius	10xD

Application

Armored power cable for transport and distribution of electrical energy in fixed installations. Suitable for indoor and outdoor installations, on air supports, in tubes or directly buried (great mechanical protection and against rodents).

Suitable for installations in public premises according to ITC-BT 28, in premises with risk of fire or explosion (ATEX zones) according to ITC-BT 29, and in general in all the locations where a safe fire behavior is required.

* CPR:

Cable suitable to be installed under the requirements of the CPR (Construction Product Regulation (EU) N ° 305/2011) in accordance with the classification (Euroclass) specified in this document.

Standards / Properties

Ref. for construction/drawing	UNE 21123-4, IEC 60502-1
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 >= 4,3 ; conductivity <= 10µS/mm)
Low smoke emission	UNE-EN 61034 (IEC 61034)



Constructive data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I (A), 30°C	I (A) Und, 20°C
33702000	1x25	17.6	550		135	101
33702100	1x35	18.7	655	0.554	169	122
33702200	1x50	20.3	825	0.386	207	144
33702300	1x70	22	1050	0.272	168	178
33702400	1x95	23.8	1290	0.206	328	211
33702500	1x120	25.5	1560	0.161	383	240
33702600	1x150	27.6	1875	0.129	444	271
33702700	1x185	29.7	2205	0.106	510	304
33702800	1x240	32.5	2790	0.0801	607	351
33702900	1x300	37.7	3440	0.0641	703	396
33703000	1x400	42.1	4455	0.0486	823	464
33703100	1x500	45.8	5825	0.0384	946	525
	1x630	51.6	7500	0.0287	1088	596
33705500	2x1.5	11.9	270	13.3	26	26
33705700	2x2.5	12.8	315	7.98	34	34
33705800	2x4	13.9	385	4.95	49	44
33705900	2x6	14.9	455	3.3	63	56
33706000	2x10	17	615	1.91	86	73
33706100	2x16	19.3	820	1.21	115	95
33706200	2x25	25.5	1495	0.78	149	121
33706300	2x35	27.6	1785	0.554	185	146
33708400	3G1.5	12.6	300	13.3	26	26
33708600	3G2.5	13.5	355	7.98	36	34
33708800	3G4	14.6	435	4.95	63	56
33708900	3G6	15.9	530	3.3	63	56
33709000	3G10	18.1	730	1.91	86	73
33709100	3G16	22.7	1275	1.21	100	79
3370910F	3x16	22.7	1275	1.21	100	79
33709200	3x25	26.3	1730	0.78	127	101
33709300	3x35	29.3	2145	0.554	158	122
33709400	3x50	32.7	2790	0.386	192	144
33713300	4G1.5	13.4	340	13.3	23	22
33713500	4G2.5	14.3	400	7.98	32	29
33713700	4G4	15.8	500	4.95	42	37
33713800	4G6	17.2	620	3.3	54	46
33713900	4G10	19.7	870	1.91	75	61
33714000	4G16	24.5	1505	1.21	100	79
3371400F	4x16	24.5	1505	1.21	100	79
33714100	4G25	29	2078	0.78	127	101
3371410F	4x25	29	2075	0.78	127	101
33714200	4x35	31.2	2510	0.554	158	122
33714300	4x50	36.2	3325	0.386	192	144
3371430B	4G50	36.2	3325	0.386	192	144
33714400	4x70	42.3	5125	0.272	246	178

Code	NxS (mm ²)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I (A), 30°C	I (A) Und, 20°C
33714500	4G95	46.3	6260	0.206	298	211
3371450F	4x95	46.3	6260	0.206	298	211
33714800	4x120	51.5	7725	0.161	346	240
33714900	4x150	57.1	9360	0.129	399	271
33711600	4x185	62.6	11115	0.106	456	304
33711700	4x240	69.6	13925	0.0801	538	351
33716200	5G1.5	14.1	375	13.3	23	22
33716300	5G2.5	15.3	455	7.98	32	29
33716400	5G4	17	585	4.95	42	37
33716500	5G6	18.5	715	3.3	54	46
33716600	5G10	23.5	1325	1.91	75	61
33716700	5G16	26.6	1755	1.21	54	46
33716800	5G25	31.2	2410	0.78	127	101
33716900	5G35	34.2	3020	0.554	158	122
33717000	5G50	39.3	3975	0.386	192	144
33717100	5G70	45.5	6040	0.272	246	178
33718700	5G95	51.2	7490	0.206	298	211
33719600	7G1.5	16.8	630	13.3	32	29
33719700	7G2.5	18.2	756	7.98	32	29
33726100	12G1.5	20.2	883	13.3	23	22
33728600	16G1.5	22.5	1117	13.3	23	22
33733300	24G1.5			13.3	23	22

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)
- I (A), 30°C** Max. current capacity (A), air (T^a 30°C)
- I (A) Und, 20°C** Max. current capacity (A), underground. (T^a20°C)

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