



Construction

Conductor	Bare copper · < 25mm ² : Class I · From 25mm ² (inclusive): Class II
Insulation	PVC (Type DIV4) Identification: HD 308 S2. See attached table.
Assembly	Insulated conductors laid up together in concentric layers
Bedding	PVC
Screen	Copper wires concentric conductor + counter helix copper tape *The cross-sectional area of the screen is specified in the cable composition, after the cross sectional area of the conductors, separated by: /
Outer sheath	PVC (Type DIV5) UV resistant Colour: Black

Technical characteristics

Operating voltage	600/1000 V
Test Voltage	4000 V
Operating T^a	-5°C +70°C
Min. bending radius	*See attached table

Application

Shielded power and control cable according to VDE 0276-603, for industrial use, especially recommended for the connection of frequency inverters and motors. It is also suitable for installations that require greater electrical or mechanical protection. In indoor and outdoor installations, in dry or wet locations, in the air or directly buried. The concentric conductor must be used as neutral, protective conductor or ground conductor. Simultaneously, it is also allowed to use it as a screen.

* 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	VDE 0276-603
CPR Classification (Euroclass)	Eca (According to UNE-EN 50575)
Flame Retardant	VDE 0482-332-1-2 (IEC 60332-1-2)
Other characteristics	UV Resistant



Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I (A), 30°C	I (A) Und, 20°C	Rc fixed (mm)	TL Inst (N)
28580000	2x1.5/1.5	13	200	12.1	19	27	156	150
28580100	2x2.5/2.5	13.6	260	7.41	26	36	163	250
28580200	2x4/4	15.4	350	4.61	34	47	185	400
28580300	2x6/6	16.9	430	3.08	44	59	203	600
28580400	2x10/10	18.5	520	1.83	60	79	222	1000
28580500	2x16/16	20.5	720	1.15	80	102	246	1600
28580700	3x1.5/1.5	13.2	220	12.1	19	27	158	225
28580706	3x1.5/1.5 Blue	13.2	220	12.1	19	27	158	225
28580800	3x2.5/2.5	14.2	280	7.41	26	36	170	375
28580900	3x4/4	16.3	390	4.61	34	47	196	600
28581000	3x6/6	17.3	500	3.08	44	59	207	900
28581100	3x10/10	20	680	1.83	60	79	240	1500
28581200	3x16/16	23	1010	1.15	80	102	276	2400
28583000	4x1.5/1.5	14.2	250	12.1	19	27	171	300
28583006	4x1.5/1.5 Blue	14.2	250	12.1	19	27	171	300
28583100	4x2.5/2.5	15.3	340	7.41	26	36	184	500
28583200	4x4/4	17.3	460	4.61	34	47	208	800
28583300	4x6/6	18.4	580	3.08	44	59	221	1200
28583400	4x10/10	21	765	1.83	60	79	252	2000
28583500	4x16/16	23	1060	1.15	80	102	276	3200
28584500	5x1.5/1.5	15	330	12.1	19	27	180	375
28584600	5x2.5/2.5	16	400	7.41	26	36	192	625
28584700	5x4/4	19	550	4.61	34	47	228	1000
28584800	5x6/6	21	700	3.08	44	59	252	1500
28584700	7x1.5/2.5	15.3	350	12.1	19	27	184	525
28586100	7x2.5/2.5	17.4	450	7.41	25	36	209	875
28585000	7x4/4	20	600	4.61	34	47	240	1400
28591300	7x6/6	22.5	790	3.08	43	59	270	2100
28585200	10x1.5/2.5	18.4	410	12.1	19	27	221	750
28530200	10x2.5/4	20.4	600	7.41	25	36	245	1250
	10x4/6	23.5	900	4.61	34	47	282	2000
28585300	12x1.5/2.5	19.4	470	12.1	19	27	233	900
28586300	12x2.5/4	20.5	660	7.41	25	36	246	1500
	12x4/6	24.5	1060	4.61	34	47	294	2400
28585400	14x1.5/2.5	20.4	520	12.1	19	27	245	1050
28586400	14x2.5/6	21.5	750	7.41	25	36	258	1750
28528600	16x1.5/4	20	620	12.1	19	27	240	1200
28586500	16x2.5/6	22.5	800	7.41	25	36	270	2000
28530100	19x1.5/4	22.5	660	12.1	19	27	270	1425
28586600	19x2.5/6	23.5	940	7.41	25	36	282	2375
	19x4/10	27.1	1376	4.61	34	47		850
	21x1.5/6	23	790	12.1	19	27	276	1575
28586800	24x1.5/6	25.5	850	12.1	19	27	306	1800
28586700	24x2.5/10	27.6	1150	7.41	25	36	331	3000

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I (A), 30°C	I (A) Und, 20°C	Rc fixed (mm)	TL Inst (N)
	24x4/10	32.3	1813	4.61	34	47	388	1152
28585700	30x1.5/6	26.5	1020	12.1	19	27	318	2250
28586800	30x2.5/10	29.5	1600	7.41	25	36	354	3750
	4x1.5/10	30	1280	12.1	19	27	360	3000
	40x2.5/10	33	1660	7.41	25	36	396	5000
28585900	52x1.5/10	32	1600	12.1	19	27	384	3900
	52x2.5/10	35	2000	7.41	25	36	420	6500
28586000	61x1.5/10	33	2000	12.1	19	27	396	4575
	61x2.5/10	36	2280	7.41	25	36	432	7625

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 ^a 20°C)
Rc fixed (mm)	Minimum bending radius (mm), fixed installation
TL Inst (N)	Maximum installation tensile load

Colour code

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
5x	Blue, Brown, Black, Grey, Black
5G	Blue, Brown, Black, Grey, Yellow/Green
> 5 (G)	Black numbered + Yellow/Green
> 5 (x)	Black numbered