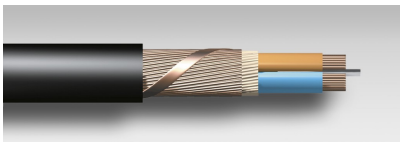
CERVIFLAM N2XCH 0,6/1kV FRNC CPR
VDE 0276-604 Power cables



Construction

Conductor	Bare copper · < 25mm2: Class I · From 25mm2 (inclusive): Class II
Insulation	XLPE (Tipo 2XI1) Identification: HD 308 S2. See attached table.
General assembly	Conductores aislados cableados conjuntamente en coronas concéntricas
Bedding	Insulated conductors laid up together in concentric layers
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	Halogen free compound (Type HM4) Colour: Black

Operating voltage	600/1000 V
Test Voltage	4000 V
Operating T[a]	Fixed service: -30°C +70ºC (Maximum in conductor 90°C) During installation: -5°C +70ºC
Min. bending radius	*See attached table

Application

Halogen free shielded power and control cable according to VDE 0276-604, for industrial use, especially suitable for the connection of frequency inverters and motors. It is also suitable for installations that require greater electrical or mechanical protection. For indoor and outdoor installations, in dry or wet locations. In 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 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	VDE 0276-604
CPR Classification (Euroclass)	Dca (According to UNE-EN 50575)
Fire Retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Cat.C)
Halogen free	IEC 60754
Low smoke emission	IEC 61034

flame retardant · fire retardant · halogen free · low corrosivity · low smoke opacity · electromagnetic protection · CE · RoHS compliant · CPR compliant EN 50575

[1193]
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Code:
Family: 315
Revision: 3
Date: 01/02/2024

Realized: **Approved:**

Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I (A), 30°C	Rc fixed (mm)	TL Inst (N)
31580000	2x1.5/1.5	12	250	12.1	25	144	150
	2x2.5/2.5	12	280	7.41	33	144	250
	2x4/4	14	320	4.616	43	168	400
	2x6/6	15	410	3.08	54	180	600
	2x10/10	17	550	1.83	75	204	1000
	2x16/16	19	780	1.15	100	228	1600
31508400	3x1.5/1.5	12	250	12.1	25	228	225
31508600	3x2.5/2.5	13	320	7.41	33	156	375
31508800	3x4/4	14	400	4.61	43	168	600
31508900	3x6/6	16	500	3.08	54	192	900
31509000	3x10/10	18	750	1.83	75	216	1500
31509100	3x16/16	21	1000	1.15	100	252	2400
	3x25/16	24	1600	0.727	136	288	3750
	3x35/16	27	1900	0.524	165	324	5250
31509400	3x50/25	30	2400	0.387	201	360	7500
	3x70/35	34	2615	0.268	255	405	10500
	3x95/50	38.1	3636	0.193	314	457	14250
	3x120/70	42.5	4606	0.153	364	510	18000
	3x150/70	47	5552	0.124	416	564	22500
	3x185/95	50	6680	0.0991	480	600	27750
	3x240/120	57.1	8694	0.0754	565	685	36000
31513300	4x1.5/1.5	13	235	12.1	25	156	300
31513500	4x2.5/2.5	14	302	7.41	33	168	500
31513700	4x4/4	15	411	4.616	43	180	800
31513800	4x6/6	17	527	3.08	54	204	1200
31513900	4x10/10	19	762	1.83	10	228	2000
31514000	4x16/16	22	1139	1.15	100	264	3200
31514100	4x25/16	27	1634	0.727	136	324	5000
31514200	4x35/16	29	2080	0.524	165	348	7000
31514300	4x50/25	33	2790	0.387	201	396	10000
31514400	4x70/35	41	3350	0.268	255	492	14000
31514500	4x95/50	46	4800	0.193	314	552	19000
31514600	4x120/70	50	6556	0.153	364	600	24000
31514700	4x150/70	55	7904	0.124	416	660	30000
31514800	4x185/95	62	9950	0.0991	480	744	37000
31514900	4x240/120	68	12912	0..0754	565	816	48000
	5x1.5/1.5	14	283	12.1	25	168	375
31584700	7x1.5/2.5	16	380	12.1	24	192	525
31586100	7x2.5/2.5	18	480	7.41	32	216	875
	7x4/4	16	650	4.61	42	228	1400
	7x6/6	20	850	3.08	53	240	2100
	10x2.5/4	18	550	7.41	32	216	1250
31585300	12x1.5/2.5	20	550	12.1	24	240	900
	12x2.5/4	21	750	7.41	32	252	1500

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	12x4/6	20.5	775	4.61	42	246	
	14x1.5/2.5	17.6	486	12.1	24	211	1050
	19x2.5/6	21.7	838	7.41	32	260	
	21x2.5/10	23	1050	7.41	32	276	2625
31585600	24x1.5/6	25	950	12.1	24	300	1800
	24x2.5/10	26	1106	7.41	32	312	3000
	30x1.5/6	27	1100	12.1	24	324	2250
	30x2.5/6	28	1500	7.41	32	336	3750

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 20ºC (Ohm/km)
I (A), 30°C	Max. current capacity (A), air (Tª 30°C)
Rc fixed (mm)	Minimum bending radius (mm), fixed installation
TL Inst (N)	Maximum installation tensile load

Colour table

Nº 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

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