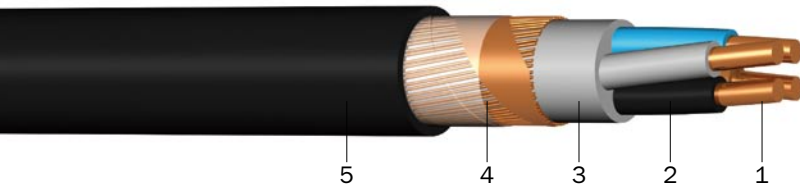


(N)2XCH PLUS

Underground halogen-free energy cable, screened

DESIGN



- 1 | Copper conductor round solid (RE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (XLPE)
- 3 | Inner covering (halogen-free polymer compound and eventually with halogen-free fabric tape)
- 4 | Concentric screen (bare copper wires) and counter helix (copper tape) and halogen-free plastic tape
- 5 | Sheath (halogen-free polymer compound black, UV-resistant)

APPLICATION

These cables are intended for the stationary distribution of electrical energy in dry or damp premises and for fixed installations underground, in open air or in concrete. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire if circuit integrity is not required. Not allowed for installations in water.

TECHNICAL DATA

- Standard:**
TP PRAKAB O2/12,
adapted to DIN VDE 0276-604
- Rated voltage:**
0.6/1 kV
- Test voltage:**
4 kV/50 Hz
- Temperature range:**
laying temperature: min. -5 °C
operating temperature: -50 °C up to +90 °C
conductor temperature: max. +90 °C
short-circuit temperature: max. +250 °C/5 s
- Bending radius (min.):**
12 x Ø of cable
- Core identification:**
HD 308 S2
- Fire properties:**
flame retardant:
EN 60332-1-2
halogen-free, non-corrosive combustion gases:
EN 50267-2-2
reduced flame propagation:
EN 60332-3-24
low smoke emission:
EN 61034-2
- Certificate:**
VDE Germany

Number of cores x nominal cross section/cross section of screen (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
(N)2XCH PLUS						
2 x 1.5 RE/1.5	12.100	31	25	14.6	275	1,000 D
3 x 1.5 RE/1.5	12.100	31	25	15.6	295	1,000 D
4 x 1.5 RE/1.5	12.100	31	25	15.8	330	1,000 D
5 x 1.5 RE/1.5	12.100	31	25	16.7	370	1,000 D
2 x 2.5 RE/2.5	7.410	40	33	15.4	330	1,000 D
3 x 2.5 RE/2.5	7.410	40	33	15.9	360	1,000 D
4 x 2.5 RE/2.5	7.410	40	33	16.8	405	1,000 D
5 x 2.5 RE/2.5	7.410	40	33	18.8	530	1,000 D
2 x 4 RE/4	4.610	52	43	16.9	405	1,000 D
3 x 4 RE/4	4.610	52	43	17.5	450	1,000 D
4 x 4 RE/4	4.610	52	43	18.5	510	1,000 D
5 x 4 RE/4	4.610	52	43	19.6	575	1,000 D

(N)2XCH PLUS

Number of cores x nominal cross section/cross section of screen (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
(N)2XCH PLUS						
2 x 6 RE/6	3.080	65	54	17.9	495	500 D
3 x 6 RE/6	3.080	65	54	18.6	560	500 D
4 x 6 RE/6	3.080	65	54	19.7	640	500 D
5 x 6 RE/6	3.080	65	54	21.2	735	500 D
2 x 10 RE/10	1.830	87	75	19.9	660	500 D
3 x 10 RE/10	1.830	87	75	20.7	755	500 D
4 x 10 RE/10	1.830	87	75	22.7	910	500 D
5 x 10 RE/10	1.830	87	75	24.2	1,040	500 D
2 x 16 RE/16	1.150	113	100	21.7	885	500 D
3 x 16 RE/16	1.150	113	100	22.9	1,040	500 D
4 x 16 RE/16	1.150	113	100	24.4	1,220	500 D
5 x 16 RE/16	1.150	113	100	26.1	1,420	500 D
3 x 25 RM/16	0.727	146	136	28.4	1,660	500 D
4 x 25 RM/16	0.727	146	136	30.9	1,990	500 D
3 x 35 RM/16	0.524	176	165	30.4	1,960	500 D
4 x 35 SM/16	0.524	176	165	29.9	1,960	500 D
3 x 50 RM/25	0.387	208	201	34.5	2,670	500 D
4 x 50 SM/25	0.387	208	201	33.9	2,830	500 D
3 x 70 SM/35	0.268	256	255	35.2	3,060	500 D
4 x 70 SM/35	0.268	256	255	40.4	3,980	500 D
3 x 95 SM/50	0.193	307	314	40.0	4,080	500 D
4 x 95 SM/50	0.193	307	314	44.2	5,110	500 D
3 x 120 SM/70	0.153	349	364	42.4	5,080	500 D
4 x 120 SM/70	0.153	349	364	47.4	6,370	500 D
3 x 150 SM/70	0.124	391	416	47.2	6,130	250 D
4 x 150 SM/70	0.124	391	416	52.4	7,720	250 D
3 x 185 SM/95	0.099	442	480	51.0	7,560	250 D
4 x 185 SM/95	0.099	442	480	57.4	9,610	250 D
3 x 240 SM/120	0.075	509	565	54.4	9,460	250 D
4 x 240 SM/120	0.075	509	565	64.2	12,700	250 D

1) basic rated current acc. to DIN VDE 0276-604 (HD 604)
Subject to technical changes.