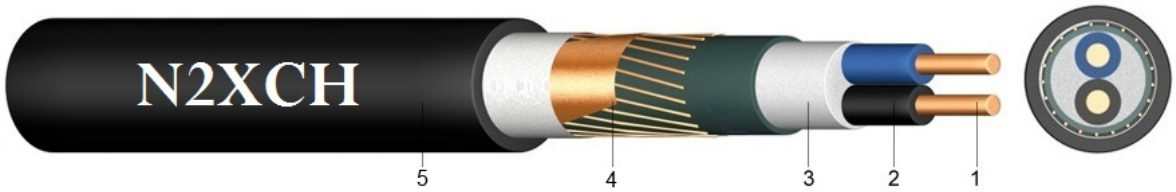
HALLEY CABLES

N2XCH

Halogen free, fire retardant power cables with concentric conductor 0.6/1 kV.

www.halleycables.com



Construction:

1. Conductor : solid or stranded bare copper.
2. Insulation : core insulation of halogen-free, cross-linked polyethylene compound.
3. Inner covering : core covering of a halogen-free compound**.**
4. Concentric conductor : copper wires with counter helix of copper tape.
5. Outer sheath : halogen-free, cross-linked polyethylene compound, black.

Properties:

Halogen free.
Low smoke generation.
No emission of corrosive gases.
Fire retardant.

Technical data and tests:

Nominal voltage Uo/U	: 600/1000 V.
Test voltage	: 4000 V (A.C.).
Service temperature	: -30° C till +90° C.
Bending radius	: min. 12 x diameter.
Laying temperature	: -5° C… + 90° C.

Standards:

Cable standard	: DIN VDE 0276-604, DIN VDE 0276-627.
Halogen free, no emission of corrosive gases	: EN 50267-2-2, IEC 60754-2.
Fire retardant	: EN 60332-1-2, EN 60332-3-24.
Low smoke generation	: EN 61034.

Applications:

These halogen-free cables are used as energy, utility and lighting cables in dry, moist and wet rooms, for permanent installation above, on , in and beneath plaster and also for outdoor applications where lots of human life and material assets need to be protected in industrial constructions, schools, hospitals, shopping and cultural centers, energy plants, airports, metros. In case of fire, these cables inhibit the propagation of the flames whereby the development of smoke is exremely low. They must not be installed directly into the ground or into the water. No corrosive gases are emitted in the event of fire.

N2XCH

HALLEY CABLES

N2XCH

Halogen free, fire retardant power cables with concentric conductor 0.6/1 kV.

www.halleycables.com

DIMENSIONS

Number of cores and nominal cross section mm²	Overall diameter appr. mm	Weight appr. kg / km	Calorific potential kWh / m
2 x 1,5 RE/1,5	10,0	120	0,35
2 x 2,5 RE/2,5	11,0	150	0,41
3 x 1,5 RE/1,5	10,5	140	0,38
3 x 2,5 RE/2,5	11,5	180	0,44
3 x 4 RE/4	12,5	250	0,50
3 x 6 RE/6	14,5	340	0,58
3 x 10 RE/10	16,0	500	0,68
3 x 16 RM/16	19,0	760	0,89
3 x 25 RM/16	22,5	1.07	1,28
3 x 35 RM/16	25,0	1.36	1,48
3 x 50 SM/25	32,5	2.2	2,18
4 x 1,5 RE/1,5	11,0	160	0,45
4 x 2,5 RE/2,5	12,5	220	0,52
4 x 4 RE/4	13,5	300	0,60
4 x 6 RE/6	15,5	400	0,69
4 x 10 RE/10	17,5	610	0,85
4 x 16 RM/16	20,5	950	1,07
4 x 25 RM/16	24,5	1.35	1,56
4 x 35 RM/16	27,5	1.75	1,86
4 x 50 SM/25	33,7	2.784	2,76
4 x 70 SM/35	37,2	3.675	3,57
4 x 95 SM/50	43,0	5.063	4,40
4 x 120 SM/70	47,2	6.307	4,98
4 x 150 SM/70	52,0	7.617	6,20
4 x 185 SM/95	57,3	9.462	7,72
4 x 240 SM/120	64,3	12.264	9,43
7 x 1,5 RE/2,5	13,5	250	0,67
10 x 1,5 RE/2,5	16,5	330	0,93
12 x 1,5 RE/2,5	17,0	370	1,05
24 x 1,5 RE/6	23,0	670	1,88
30 x 1,5 RE/6	24,0	790	2,22
7 x 2,5 RE/2,5	15,0	320	0,77
10 x 2,5 RE/4	18,0	440	1,07
12 x 2,5 RE/4	18,5	500	1,21
24 x 2,5 RE/10	25,5	940	2,17
30 x 2,5 RE/10	26,5	1.12	2,58
7 x 4 RE/4	16,0	440	0,88
12 x 4 RE/6	21,0	720	1,45

RE =Round conductor, Single wire.
RM=Round conductor, Multi wire.
SM =Sectorial conductor.

Any other sizes available on request.

N2XCH