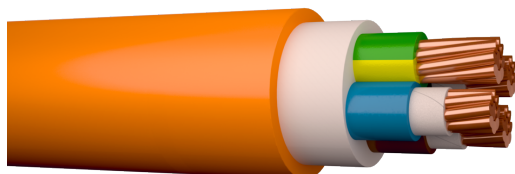


## Fire resistant cables

# Sienopyr Plus E30 FE180 (N)HXH-J 0,6/1 kV



### Application

Halogen-free and fire-retardant installation cable for fixed application indoors in walls, trays, ducts and pipes, in areas with functional integrity requirements during and after a fire. The cable is fire resistant acc. to DIN 4102-12 for up to E30 minutes. The insulation is fire resistant acc. to DIN VDE 0472-814 and IEC 60331-21 for up to FE180 minutes. When installing outdoors, the cable should be protected from direct light.

The cable is recorded / registered in the database of building materials that can be used / included in the Swan label construction.

### Standard

DIN VDE 0266	Power cables with improved characteristics in the case of fire
0276-604 og DIN 4102-12	Test for fire integrity and fire resistance
EN 60228	Conductor standard
DIN EN 50266-1 & -2-4	Test for vertical flame spread of vertically-mounted bunched wires or cables
EN 60332-3 C	Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 60331	Functional integrity and fire resistance of electric cables
DIN 4102-12	Fire behavior
EN 61034-1-2	Smoke density during fire
IEC 60754-1-2	Acidity in flue gases from cables
IEC 60332-1-2	Test for vertical flame propagation for a single insulated wire or cable

### Construction

Cable Shape	Round
Conductors	Copper; Round solid or strandet
Conductor Insulation	Silicone/HEPR
Marking of cores	2-core: Blue, brown; 3-core: Green/yellow, blue, brown; 4 core: Green/yellow, brown, black, grey 5 core: Green/yellow, blue, brown, black, grey; >5 cores: Green/yellow, black with white numbers
Outer Sheath	Halogen free compound

### Temperature

Maximum operating Temperature	max. 90°C
Minimum operating Temperature for cable type [°C]	min. - 40°C
Temperatures at installation [°C]	min. -5°C to 50°C

### Features

Additional Feature Information	HD 64364-5-52:2011 table B.52.12
Bending radius	12xD
REACH/SVHC declaration	Meet the demand for REACH
RoHS declaration	Meet the demand for RoHS

### Electrical

Max. short circuit temperature [°C]	250 °C
Test Voltage [kV]	4 kV AC

Conductors and screen	Diameter over sheath	Cable weight [kg/km]	Delivery Package	EAN/GTIN number	Max current load in air
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area [mm2]	[mm]				[A]
2x1,5	10	130	T500	5701498017369	23
3G1,5	11	160	T500	5999099008606	23
3G2,5	12	200	T500	5999099008637	32
4G1,5	12	185	T500	4250248100635	23
4G2,5	13	240	T500	4250248100574	32
4G6	15	420	T500	5701498017444	54
4G10	17	630	T500	5701498017451	75
4G16	20	910	T500	5701498017468	100
4G25	25	1450	T500	5701498017475	127
4G35	28	1890	T500	5701498016973	158
4G50	32	2470	T500	5701498016980	192
4G70	37	3430	T500	5701498016997	246
4G95	41	4620	T500	5701498017000	298
4G120	45	5710	T500	5701498017017	346
5G1,5	13	225	T500	5999099008613	23
5G2,5	14	295	T500	5701498017420	32
5G6	17	530	T500	4250248100543	54
5G10	19	770	T500	4250248100642	75
5G16	23	1140	T500	4250248100659	100
5G25	29	1850	T500	5999099008620	127
7G1,5	14	270	T500	5701498017437	23