

# FRNC power cable (N)HXCH FE180/E30 plus



**Application:** Cable with concentric conductor for installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in ground and not for use in water. The cable has improved properties in case of fire and may be used in public buildings with high safety requirements. The cable is halogen-free, has a low smoke density and is fire-resistant according to VDE 0472 part 814 /IEC 60331-11 for 180 minutes. Furthermore the cable passed the test of 30 min. circuit integrity according to DIN 4102 part 12 (E 30).

## Construction and technical data:

<b>Standard:</b>	VDE 0266
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 1 = solid
<b>Insulation:</b>	FRNC-compound HI1
<b>Concentric conductor:</b>	Cu
<b>Sheathing material:</b>	FRNC-compound HM1
<b>Colour of outer sheath:</b>	orange
<b>Flame-retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
<b>Smoke density:</b>	DIN EN 61034/IEC 61034
<b>Halogen-free:</b>	DIN EN 50267/IEC 60754
<b>Fire-resistant:</b>	VDE 0472-814/IEC 60331-11 (FE 180)
<b>Circuit integrity:</b>	E30
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-5 - +70 °C
<b>Bending radius, fixed installation:</b>	12 x Ø



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

**(N)HXCH E30 Plus****Nominal voltage U<sub>o</sub>:** 0.6 kV**Nominal voltage U:** 1 kV**Test voltage:** 4 kV**Core identification:** colours acc. to HD 308;  
more than 5 cores: numbers

part no.	part name		Ø [mm]	Cu	G [kg]
015045	02X1.5/1.5	RE	11.2	52	165
015046	02X2.5/2.5	RE	12.3	80	215
015047	02X4/4	RE	14.5	123	295
015048	02X6/6	RE	15.8	183	385
015049	02X10/10	RE	18.8	312	580
015050	03X1.5/1.5	RE	11.8	66	195
015051	03X2.5/2.5	RE	12.8	104	245
015052	03X4/4	RE	15.2	161	350
015053	03X6/6	RE	16.7	240	460
015054	03X10/10	RE	19.9	408	680
015055	04X1.5/1.5	RE	12.5	81	220
015056	04X2.5/2.5	RE	13.9	128	290
015057	04X4/4	RE	16.2	200	415
015058	04X6/6	RE	17.8	297	535
015059	04X10/10	RE	21.5	504	815
015060	05X1.5/1.5	RE	13.5	95	255
015061	05X2.5/2.5	RE	14.8	152	330
015062	05X4/4	RE	17.5	238	470
015063	05X6/6	RE	19.2	346	625
015064	05X10/10	RE	23	576	955
015072	07X1.5/2.5	RE	14.3	133	310
015066	07X2.5/2.5	RE	16	200	500

Ø | outer diameter approx.

Cu | Copper weight (GER)

G | net weight per 1000