

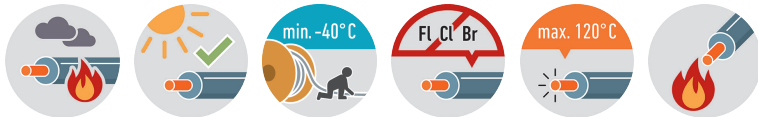
FRNC flexible cable NHXSGAFHXOE



Application: These cables are intended for use in railway rolling stock as fixed wiring, or connection where limited flexing in operation is encountered, they may be used both in- and outdoors, e.g. flexible between car floor and bogies. They are also usable for unfused connections in switchgear and distribution boards up to 1000 V (DIN VDE 0100-520 and DIN VDE 0660-500) and in accumulator circuits (DIN 5510 part 5).

Construction and technical data:

Standard:	EN 50264-3-1
Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	polyurethane elastomer EI 107
Sheathing material:	cross-linked elastomer EM 104
Flame-retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
Smoke density:	DIN EN 61034/IEC 61034
Halogen-free:	DIN EN 50267/IEC 60754
Oil-resistant:	EN 60811-404
Ozone-resistant:	yes
Max. temperature at conductor, °C:	120 °C
Permitted outer cable temperature, fixed, °C:	-40 - +90 °C
Permitted outer cable temperature, moved, °C:	-40 - +90 °C
Bending radius, fixed installation:	4 x Ø
Bending radius, moving application:	10 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)HXSGAFHXoe 1.8/3 kV

Nominal voltage U_o:	1.8 kV
Nominal voltage U:	3 kV
Maximum permitted operating voltage in three-phase systems:	3.6 kV
Nominal voltage (DC):	2,7/5,4 kV
Test voltage:	6.5 kV

part no.	part name	Ø [mm]	Cu	G [kg]
052161	1X50 BK	16.5	480	611
054427	1x150 BK	24.5	1440	1638
051509	1X120 BK	22.3	1152	1267

(N)HXSGAFHXoe 3.6/6 kV

Nominal voltage U_o:	3.6 kV
Nominal voltage U:	6 kV
Maximum permitted operating voltage in three-phase systems:	7.2 kV
Nominal voltage (DC):	5,4/10,8 kV
Test voltage:	11 kV

part no.	part name	Ø [mm]	Cu	G [kg]
053158	1X95 BK	20.5	912	1077
051307	1X150 BK	25.9	1440	1723
051504	1X185 BK	29.4	1776	2002
051563	1X95 YE	22.5	912	1091
051531	1X150 YE	26.9	1440	1671
051460	1X185 YE	27.7	1776	1940
051659	1X240 RD	32	2304	2519

Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000