

Screened FRNC installation wire (N)HXMH(St)-J



Application: Low-smoke, zero-halogen, flame-retardant building wire, for installation on and under plaster in dry and wet rooms, as well as in concrete (except for shaken, jolted, tamped concrete). For indoor use only, primarily in buildings with a high concentration of people and material assets. The cable is screened to limit propagation of electromagnetic field of the conductors. It is designed for application in EMC-sensitive environments as hospitals, data processing facilities, laboratories but also in living rooms.

Construction and technical data:

CPR-classification according to EN 50575:	on request
Conductor material:	copper, bare
Conductor construction:	class 1, up from 16 sqmm class 2
Insulation:	XLPE 2X11
Screen:	Foil
Drain wire:	yes
Sheathing material:	FRNC-compound HM2
Colour of outer sheath:	grey RAL 7035
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
Max. temperature at conductor, °C:	70 °C



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)HXMH(St)-J

Nominal voltage U_o: 300 V

Nominal voltage U: 500 V

Test voltage: 2 kV

Protective conductor: yes

Core identification: colours acc. to VDE 0293 (HD308)

part no.	part name		RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
020283	3X1.5/1.5	RE	12.1	14	9.5	48	168
020284	3X2.5/1.5	RE	7.41	18	9.8	77	209
020285	4X1.5/1.5	RE	12.1	14	9.6	63	192
020286	5X1.5/1.5	RE	12.1	14	10.3	77	220
020287	5X2.5/1.5	RE	7.41	18	11.3	125	282
020297	5X4/1.5	RE	4.61	24	15.1	206	393
020331	5X6/1.5	RE	3.08		15.2	311	402
020306	7X1.5/1.5	RE	12.1	14	12.1	107	310

RI | Conductor resistance

I_{bl} | Ampacity in air (30 °C)

Ø | outer diameter approx.

Cu | Copper weight (GER)

G | net weight per 1000