



Novosafe NHXCH FE 180 / E90 0,6/1 kV

Fire resistant halogen free copper shielded power cable

Specification

STANDARD	VDE 0207, 0266, 0472, IEC 331-1, -3, DIN4102
RATED VOLTAGE U ₀ /U	0,6/1kV
CONDUCTOR CLASS	≤16mm ² Class 1 = solid wire / ≥25mm ² Class 2 = stranded wires
CONDUCTOR MATERIAL	Copper
CORE INSULATION	Halogen free special compound
CORE IDENTIFICATION	Black with white numerals, ≤5 cores: Colour coded
FABRIC LAPPING	Flame retardant fabric
INNER SHEATH MATERIAL	Halogen free specialmix
OVERALL SHIELD	Concentric conductor made from copper
OUTER SHEATH	Halogen free special compound
SHEATH COLOUR	Orange
BENDING RADIUS FIXED	12 x cable diameter
MIN OPERATING TEMPERATURE FIXED	-30°C
MAX OPERATING TEMPERATURE FIXED	+70°C
TESTING VOLTAGE	4000V
INSULATION RESISTANCE	≥20 MOhm x km
FIRE RESISTANT	IEC 60331 (E90)
FLAME RETARDANT	IEC 60332-3-24

Variants

E-NUMBER	DIMENSION N X MM ²	OUTER DIAMETER MM	WEIGHT KG/100M
N8074030	3x1,5/1,5	16.9	34.8
N8074040	4x1,5/1,5	18	39.8
N8074120	12x1,5/2,5	29	71.8
N8074240	24x1,5/6	34.9	130.5
N8075030	3x2,5/2,5	18	41
N8075040	4x2,5/2,5	18.9	47
N8075070	7x2,5/2,5	20.8	49.8
N8075120	12x2,5/4,0	29	71.8
N8075240	24x2,5/10	34.9	130.5
N8076040	4x4/4	20.1	57.8
N8077040	4x6/6	21.2	72.6
N8078040	4x10/10	23.8	98.3
N8079040	4x16/16	27.1	137
N8079140	4x25/16	30.9	190.4
N8079240	4x35/16	34.7	242.7
N8079340	4x50/25	38.8	317.7
N8079440	4x70/35	44	437.8
N8079540	4x95/50	49.8	580.3
N8079640	4x120/70	54.2	723
N8079740	4x150/70	60.3	870.7
N8079840	4x185/95	66.7	1089.4
N8079940	4x240/120	72.8	1393.3