



NHXCH-FE 180/E 90

Applications:	Security cable with improved fire characteristics
Conductor:	Bare copper conductor, solid or stranded to DIN VDE 0295 cl. 1 or cl.1, BS6360 cl. 1 or 2, IEC 60228 cl ½, HD
Insulation:	Double core insulation of mica tape and cross linked polymer HI1 to DIN VSE 0207 part 23
Colour code:	Colour coding of cores according to DIN VDE 0293-309
Stranding:	Cores stranded in layers
Wrapping:	Glass fibre (also for each single core)
Screen:	Bare copper wire screening with helix of copper tape
Sheath material:	Polyolefin compound type HM4 to DN VDE 0207 part 24
Sheath colour:	Orange
Nominal voltage max:	U _o /U 0.6/1kV
Testing voltage:	4kV
Min bending radius:	12 x diameter
Radiation resistance:	Up to 200 x 10 ⁶ cJ/kg
Temperature range:	-30°C to +70°C
Fire performance:	Flame test to DIN VDE 0482 part 266-2/HD 405.3. BS 4066 part 3 / EN 50266-+2 / IEC 60332-3 (equivalent DIN VSE 0472 part 804 test method C)
Corrosiveness of combustion gases:	According to DIN VDE 0482 part 267/EN 50267-2-2/ IEC 60754-2 (equivalent DIN VDE 0472 part 813)
Smoke density:	According to DIN VDE 0482 part 1034-1 +2, HD 606m DIN EN 61034-1+2/IEC 61034-1+2 (equivalent DIN VDE 0472 part 816).



No pairs x cross section mm ²	Outer diameter ca.mm	Copper weight kg/km	Weight ca.kg/km	AWG no	BATT Part No
2x2.5/2.5 re	15.6	82	321	14	45729
3x1.5/1.5 re	16.9	66	380	16	-
3x2.5/2.5 re	18.30	104	430	14	-
3x4/4 re	19.0	161	530	12	-
3x6/6 re	20.1	240	640	10	-
3x10/10 re	22.0	408	850	8	45727
3x16/16 rm	24.0	643	1150	6	-
3x25/16 rm	28.0	902	1700	4	45724
3x35/16 rm	30.0	1190	2150	2	-
3x50/25 rm	34.0	1723	2800	1	-
3x70/35 rm	38.30	2410	3800	2/0	-
3x95/50 rm	44.0	3296	5100	3/0	-
3x120/70 rm	47.0	4236	6250	4/0	-
3x150/70 rm	51.0	4992	6900	250 MCM	-
3x185/95 rm	56.0	6383	8550	350 MCM	-
3x240/120 rm	65.0	8242	11150	450 MCM	-
4x1.5/1.5 re	18.0	81	435	16	-
4x2.5/2.5 re	18.9	128	500	14	-
4x4/4 re	20.0	200	610	12	-
4x6/6 re	21.0	297	740	10	-
4x10/10 re	23.0	23	1050	8	-
4x16/16 rm	25.0	25	1350	6	-
4x25/16 rm	30.0	30	1950	4	-



No pairs x cross section mm ²	Outer diameter ca.mm	Copper weight kg/km	Weight ca.kg/km	AWG no	BATT Part No
4x35/25 rm	33.0	33	2400	2	-
4x50/16 rm	37.0	37	3200	1	45728
4x70/35 rm	42.0	42	4300	2/0	-
4x95/50 rm	47.0	47	5750	3/0	-
4x120/70 rm	51.0	51	7100	4/0	-
4x150/70 rm	56.0	56	8550	250 MCM	-
4x185/95rm	68.0	68	11020	350 MCM	-
4x240/120 rm	70.0	70	14140	450 MCM	-
5x2.5/2.5 re	-	-	480	14	45725
7x1.5/2.5 re	201.0	21	520	16	-
7x2.5/2.5 re	21.0	21	630	14	45726
12x1.5/2.5 re	27.0	27	770	16	-
12x2.5/4 re	28.0	28	950	14	-
24x1.5/2.5 re	37.0	37	1380	16	-
24x2.5/10 re	37.5	37.5	1750	14	-
30x1.5/6 re	39.0	39	1630	16	-
30x2.5/10 re	39.5	39.5	2080	14	-