

Aaron-Flex



N2XSY Medium Voltage Cable

Energy- and Power Cable / Medium Voltage Power Cables

6/10kV, 12/20kV, 18/30kV XLPE-insulated, Cu-conductor, single core, screened, PVC-sheath
XLPE-insulated power cables to DIN VDE 0276 part 620, HD 620 S2 and IEC 60502

Application

The cables are used in industrial areas such as port industry.

The use of high-quality materials and advanced production processes, With excellent wear resistance and corrosion resistance, It can work stably in harsh port environment for a long time to ensure the safety and reliability of the equipment.

Construction

- . Bare copper-conductor, to DIN VDE 0295 cl.2, multi-wire, BS 6360 cl.2, IEC 60228 cl.2
- . Inner semi-conducting coating
- . Core insulation of cross-linked polyethylene (XLPE), compound type DIX8 to HD 620 S2
- . Outer conductive layer extruded and welded with core insulation
- . Conductive taping
- . Screen: Braiding of copper wires with one or two tape(s) applied helically
- . Wrapping
- . Outer sheath of PVC compound type DMV6 to HD 620 S2
- . Sheath colour red

Characteristics

Temperature range

during installation up to -5°C

Operating temperature

max. +90°C

Short circuit temperature

+250°C (short circuit duration max. 5 s)

Nominal voltages

U0/U 6/10 kV, 12/20 kV, 18/30 kV

Operating voltages

for 6/10 kV = max. 12 kV

for 12/20 kV = max. 24 kV

for 18/30 kV = max. 36 kV

Minimum bending radius

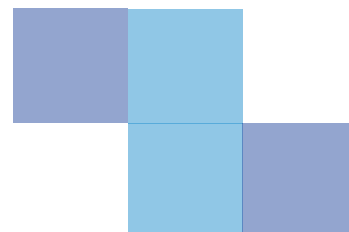
15x cable Ø

Power ratings table

see Technical Informations

Standards

PVC outer sheath self-extinguishing and flame retardant acc. to
DIN VDE 0482-332-1-2,
DIN EN 60332-1-2, IEC 60332-1 (equivalent
DIN VDE 0472 part 804 test method B)



Product Selection

N2XS_Y



Part no.	No.cores x cross-sec. mm ²	Operati on voltage	Nominal voltage kV	OuterØ min.-max. mm	Cop. weight kg/km	Weight app.kg/ km
N0001	1x35 rm/16	12	6/10	23,0-28,0	518,0	905,0
N0002	1x50 rm/16	12	6/10	24,0-29,0	662,0	1080,0
N0003	1x70 rm/16	12	6/10	26,0-31,0	854,0	1310
N0004	1x95 rm/17	12	6/10	26,0-32,0	10940	1580,0
N0005	1x120 rm/16	12	6/10	28,0-34,0	13340	1860,0
N0006	1x150 rm/16	12	6/10	29,0-35,0	16220	2040,0
N0007	1x150 rm/25	12	6/10	29,0-35,0	17230	2210,0
N0008	1x185 rm/16	12	6/10	31,0-37,0	19580	2450,0
N0009	1x185 rm/25	12	6/10	31,0-37,0	20590	2580,0
N0010	1x240 rm/16	12	6/10	33,0-39,0	24860	3000,0
N0011	1x240 rm/25	12	6/10	33,0-39,0	25870	3130,0
N0012	1x300 rm/25	12	6/10	36,0-41,0	31630	3780,0
N0013	1x400 rm/35	12	6/10	40,0-45,0	42340	4670,0
N0014	1x500 rm/35	12	6/10	43,0-48,0	51940	5750,0
N0015	1x630 rm/35	12	6/10	44,0-49,0	64420	7180,0
N0016	1x35 rm/16	24	12/20	27,0 -32,0	518,0	1110,0
N0017	1x50 rm/16	24	12/20	28,0-33,0	662,0	1110,0
N0018	1x70 rm/16	24	12/20	30,0-35,0	854,0	1510,0
N0019	1x95 rm/16	24	12/20	31,0-36,0	10940	1780,0
N0020	1x120 rm/16	24	12/20	32,0-38,0	13340	2070,0
N0021	1x150 rm/16	24	12/20	33,0-39,0	16220	2070,0
N0022	1x150 rm/25	24	12/20	33,0-39,0	17230	2420,0
N0023	1x185 rm/16	24	12/20	35,0-41,0	19580	2650,0
N0024	1x185 rm/25	24	12/20	35,0-41,0	20590	2810,0
N0025	1x240 rm/16	24	12/20	38,0-44,0	24860	3260,0
N0026	1x240 rm/25	24	12/20	38,0-44,0	25870	3360,0
N0027	1x300 rm/25	24	12/20	40,0-46,0	31630	4020,0
N0028	1x400 rm/35	24	12/20	43,0 -49,0	42340	4930,0
N0029	1x500 rm/35	24	12/20	46,0-52,0	51940	6050,0
N0030	1x630 rm/35	24	12/20	47,0 -53,0	64420	6050,0
N0031	1x50 rm/16	36	18/30	32,0 -38,0	662,0	1480,0
N0032	1x70 rm/16	36	18/30	34,0 -40,0	854,0	1730,0
N0033	1x95 rm/16	36	18/30	35,0-41,0	10940	2060,0
N0034	1x120 rm/16	36	18/30	37,0 -43,0	10940	2330,0
N0035	1x150 rm/25	36	18/30	38,0-44,0	17230	2720,0
N0036	1x185 rm/25	36	18/30	40,0-46,0	20590	3100,0
N0037	1x240 rm/25	36	18/30	42,0-48,0	25870	3100,0
N0038	1x300 rm/25	36	18/30	45,0-51,0	31630	4000,0
N0039	1x400 rm/35	36	18/30	45,0-51,0	42340	5330,0
N0040	1x500 rm/35	36	18/30	51,0-57,0	51940	6480,0
N0041	1x630 rm/35	36	18/30	52,0-59,0	51940	7970,0

Aaron-Flex reserves the right to carry out any modification to the data sheets whatsoever without giving previous notice.

**For reference only, the actual parameters of the manufacturer prevail