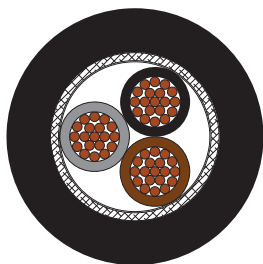


UNINAV – Type NBTA and NGA

Armoured power cables rated 0,6/1 kV



TECHNICAL DATA

Temperature rating: -40°C ÷ 90°C

High resistance to oils and fuels

Minimum bending radius: 6 x outer diameter

Halogen free: according IEC EN 60754

Fire retardant: according IEC 60332-3-22

For EMC version: shielding effectiveness (basic performance): ≥ 54 dB for cables with outer diameter equal or less than 7,5 mm, otherwise ≥ 60 dB.

Range of approval:

according to table 21A, 21B, 21C and 21D and as specified in NAV-80-6145-0005-13-02B000 (see Ministry of Defence homologation certificate n° 29/22)

Table 21A single core

Item n°	Cross-section [mm²]	Outer diameter [mm]	Cable mass [kg/km]
MN001	1,5	6,2	65
MN002	2,5	6,6	80
MN003	4	7,1	100
MN004	6	7,8	125
MN005	10	8,8	180
MN006	16	9,8	240
MN007	25	11,6	350
MN008	35	12,9	470
MN009	50	15	650
MN010	70	17	890
MN011	95	18,8	1150
MN012	120	20,7	1420
MN013	150	22,8	1720
MN014	185	25,3	2120
MN015	240	28,2	2700
MN016	300	31,1	3400

CONSTRUCTION

Conductor: bare copper conductor according ASTM B33, class 5 according to IEC 60228

Insulation: HEPR or XLPE according to IEC 60092-360

Core identification: according to HD 308 S2

Bedding: textile or extruded fillers. Halogen free inner sheath compound mandatory for ATEX application, to be specified in the order

Optional: metallic tape(s) for EMC version

Armour: bare copper wire braid having coverage >90%, if not otherwise stated

Sheath: crosslinked compound, type SHF2 according to IEC 60092-360, colour black if not otherwise stated

Marking: NAV-80-6145-0005-13-02B000 NBTA - "core numbers"x"cross section" – 0,6/1 kV - Cert.Om.nr.29/22

DESIGNATION EXAMPLE:

NBTA: cable without green/yellow core
NGA: cable with green/yellow core
MN026 - NBTA (three cores, cross section 1,50 mm²)

For enhanced EMC requirements, minimum value in dB shall be declared in the marking

The characteristics of the products, described in the data sheet, do not constitute any contractual binding. UNIKA spa reserves the right to change the specifications without any notice. Partial or total reproduction of this document is forbidden

Table 21B two cores

Item n°	Cross-section [mm²]	Outer diameter [mm]	Cable mass [kg/km]
MN083	2x1	8,6	115
MN017	2x1,5	9,4	130
MN018	2x2,5	10,2	160
MN019	2x4	11,6	210
MN020	2x6	12,8	280
MN021	2x10	15	430
MN022	2x16	17,3	600
MN023	2x25	20,7	820
MN024	2x35	24,6	1370
MN025	2x50	27,6	1740
MN069	2x70	31,3	2042
MN081	2x95	36,9	2820
MN082	2x120	41,4	3400

8,6Table 21C three cores

Item n°	Cross-section [mm²]	Outer diameter [mm]	Cable mass [kg/km]
MN026	3x1,5	9,8	150
MN027	3x2,5	10,7	190
MN028	3x4	12,1	250
MN029	3x6	13,3	320
MN030	3x10	15,8	530
MN031	3x16	18,3	750
MN032	3x25	21,9	1100
MN033	3x35	26,2	1700
MN034	3x50	29,4	2260
MN035	3x70	34,5	3050
MN036	3x95	39,1	4100
MN037	3x120	43,2	5100
MN038	3x150	48	6200
MN039	3x185	53,5	7800

Item number refers to NBTA types. For NGA types add letter **G** at the end of the item number. Add letter **E** at the end of the item number for enhanced EMC performance.

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Table 21D four cores

Item n°	Cross-section [mm²]	Outer diameter [mm]	Cable mass [kg/km]
MN080	4x1	9,7	150
MN040	4x1,5	10,6	180
MN041	4x2,5	11,7	230
MN042	4x4	13,1	300
MN043	4x6	15	450
MN044	4x10	17,5	640
MN045	4x16	20,1	960
MN046	4x25	24,2	1380
MN047	4x35	28,7	2100
MN048	4x50	32,7	2780
MN049	4x70	38,5	3970
MN050	4x95	43,3	5200
MN051	4x120	48,2	6500
MN052	4x150	53,2	7900
MN053	4x185	59,6	9900

Table 21E multicore

Item n°	Cross-section [mm²]	Outer diameter [mm]	Cable mass [kg/km]
MN077	5x1,5	11,3	210
MN054	7x1,5	12,4	285
MN055	10x1,5	15,9	414
MN070	12x1,5	16,4	440
MN056	14x1,5	17,2	500
MN073	16x1,5	18,2	555
MN078	18x1,5	19,2	610
MN057	19x1,5	19,1	632
MN058	24x1,5	22,4	786
MN071	25x1,5	22,5	810
MN079	27x1,5	23,0	850
MN059	30x1,5	23,8	930
MN076	6x2,5	13,6	320
MN060	7x2,5	13,6	338
MN061	10x2,5	17,6	520
MN074	12x2,5	18,2	585
MN062	14x2,5	19,1	650
MN063	19x2,5	21,2	830
MN064	24x2,5	24,9	1040
MN065	30x2,5	26,5	1230
MN066	5x4	14,3	385
MN068	7x4	15,9	520
MN080	8x4	17,3	605
MN067	5xAWG12	14	355
MN084	2x2x4 (AWG12)	17,1	440
MN075	5x6	16,1	520
MN072	7x10	20,9	1010
MN081	5x16	22,2	1170

Item number refers to NBTA types. For NGA types add letter **G** at the end of the item number. Add letter **E** at the end of the item number for enhanced EMC performance.

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