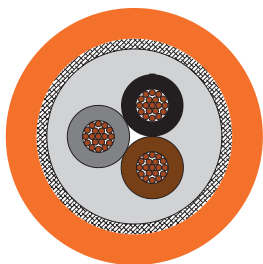


UNINAV – Type NVD

Unrmoured and armoured fire resistant power cables rated 0,6/1 kV (Vessel in Distress)



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

Fire resistance: according to EN 50200/50362 (180 min), water spray according to EN50200 annex E (90 min)

Range of approval:

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

CONSTRUCTION

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

Insulation: Silicon compound type S95 according to IEC 60092-360 (optional mica tapes)

Core identification: According to HD 308 S2 up to four cores. Black numbered starting from five cores

Optional taping: Fire resistant tape(s)

Optional inner sheath: Halogen free compound

Optional taping: Copper tape(s)

Armour (only for armoured types): bare copper wire braid having coverage >90%, if not otherwise stated

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

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

DESIGNATION EXAMPLE:

NVD: cable without green/yellow core
MP026 - NVD (three cores, cross section 1,50 mm²)

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

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TDS_NVD_00

Table 22A single core

Item n°	Cross-section [mm²]	Outer diameter [± 10%] [mm]	Cable mass [kg/km]
MP001	1,5	7,3	80
MP002	2,5	7,7	100
MP003	4	8,2	110
MP004	6	8,8	140
MP005	10	9,9	200
MP006	16	11,4	270
MP007	25	13,2	380
MP008	35	14,3	470
MP009	50	16,3	660
MP010	70	18,6	900
MP011	95	20,6	1150
MP012	120	22,8	1450
MP013	150	24,9	1700
MP014	185	27,4	2100
MP015	240	30,3	2750
MP016	300	33,2	3400

Table 22B two cores

Item n°	Cross-section [mm²]	Outer diameter [± 10%] [mm]	Cable mass [kg/km]
MP017	2x1,5	12,8	220
MP018	2x2,5	13,5	260
MP019	2x4	14,5	310
MP020	2x6	16,3	430
MP021	2x10	18,4	590
MP022	2x16	20,6	780
MP023	2x25	24,9	1100
MP024	2x35	27,3	1450
MP025	2x50	30,3	1850

Table 22C three cores

Item n°	Cross-section [mm²]	Outer diameter [± 10%] [mm]	Cable mass [kg/km]
MP026	3x1,5	13,2	240
MP027	3x2,5	14,1	290
MP028	3x4	15,7	400
MP029	3x6	17,0	500
MP030	3x10	19,3	690
MP031	3x16	22,1	940
MP032	3x25	26,2	1300
MP033	3x35	28,7	1780
MP034	3x50	31,9	2270
MP035	3x70	37,1	3200
MP036	3x95	42,4	4310
MP037	3x120	46,4	4450
MP038	3x150	54,0	6440
MP039	3x185	56,1	8000

Add letter **G** at the end of the item number if green/yellow core is present. Add letter **E** at the end of the item number for enhanced EMC performance.

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Table 22D four cores

Item n°	Cross-section [mm²]	Outer diameter [± 10%] [mm]	Cable mass [kg/km]
MP040	4x1,5	14,1	270
MP041	4x2,5	15,4	370
MP042	4x4	16,8	470
MP043	4x6	18,3	600
MP044	4x10	20,7	840
MP045	4x16	24,2	1160
MP046	4x25	28,5	1710
MP047	4x35	31,3	2200
MP048	4x50	35,3	2900
MP049	4x70	41,1	4100
MP050	4x95	46,3	5400
MP051	4x120	51,2	6700
MP052	4x150	56,3	8100
MP053	4x185	62,6	10200

Multicore

Item n°	Cross-section [mm²]	Outer diameter [± 10%] [mm]	Cable mass [kg/km]
MP056	5x1,5	16,7	445
MP054	7x1,5	17,8	510
MP055	10x1,5	22,8	730
MP058	14x1,5	24,1	860
MP059	20x1,5	27,8	1160
MP057	4xAWG10	15,6	450
MP060	19x1,5	25,0	1010
MP061	30x1,5	30,6	1460
MP062	24x1,5	29,1	1340

Add letter **G** at the end of the item number if green/yellow core is present. Add letter **E** at the end of the item number for enhanced EMC performance.

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