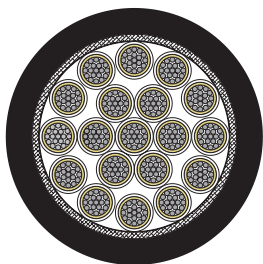


UNINAV – Type UN-xx-O

Overall screened multicore cable, low toxicity, thin wall, flexible, rated 300/ 500V



TECHNICAL DATA

Temperature rating: -40°C ÷ 90°C

High resistance to oils and fuels

Minimum bending radius: 5 x outer diameter

Halogen free: according IEC EN 60754

Fire retardant: according IEC 60332-3-22

Range of approval:

according to table 9A, 9B, 9C, 9D e 9E (cross-section 0,35 ÷ 2,5 mm²) of NAV-80-6145-0003-14-00B000 (see Ministry of Defence homologation certificate n° 27/22)

CONSTRUCTION

Conductor: concentric tinned copper conductor according ASTM B33

Insulation: double layer with special compound, colour white with black numbers if not otherwise stated

Screen: tinned copper wire braid

Sheath: crosslinked compound, type EM104 according to Standard EN 50306-1, colour black if not otherwise stated

Marking: NAV-80-6145-0003-14-00B000 UN "cross section"-O-"number of cores" – UNIKA(Italy) "year of production" Cert.Om.nr.27/22

In case of higher screening effectiveness, the minimum value in dB shall be declared into the marking

Table 9A - TYPE UN 0,35-O (0,35 mm²)

Item n°	Number of cores	Outer diameter [mm]	Cable mass [kg/km]
M9040	4	5,1 ÷ 5,8	50
M9100	7	6,2 ÷ 6,9	90
M9150	10	7,5 ÷ 8,3	115
M9200	12	7,6 ÷ 8,4	135
M9300	19	8,7 ÷ 9,6	185
M9400	37	11,4 ÷ 12,6	335
M9030E	3	4,8 ÷ 5,5	44

DESIGNATION EXAMPLE:
M9300 - UN 0,35-O-19 (screened cable, nineteen cores, cross section 0,35 mm²)

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Table 9B - TYPE UN 0,50-O (0,50 mm²)

Item n°	Number of cores	Outer diameter [mm]	Cable mass [kg/km]
M9450	2	5,20 ÷ 5,90	55
M9500	7	6,5 ÷ 7,2	100
M9600	10	7,8 ÷ 8,6	135
M9650	12	8,3 ÷ 9,2	155
M9700	14	8,4 ÷ 9,3	170
M9800	19	9,2 ÷ 10,2	210
M9850	20	10,2 ÷ 11,2	222
M9900	24	10,8 ÷ 11,9	280
M9A00	37	12,1 ÷ 13,4	390
M9B00	44	13,5 ÷ 14,9	450
M9C00	61	15,1 ÷ 16,7	610

Table 9C - TYPE UN 1,0-O (1,00 mm²)

Item n°	Number of cores	Outer diameter [mm]	Cable mass [kg/km]
M9D00	7	7,3 ÷ 8,1	145
M9E00	10	8,9 ÷ 9,8	190
M9E50	12	9,7 ÷ 10,7	233
M9F00	14	9,8 ÷ 10,8	250
M9G00	16	10,3 ÷ 11,4	305
M9H00	20	11,3 ÷ 12,5	365
M9J00	24	12,4 ÷ 13,7	430
M9K00	37	14,2 ÷ 15,7	630

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Table 9D - TYPE UN 1,5-O (1,50 mm²)

Item n°	Number of cores	Outer diameter [mm]	Cable mass [kg/km]
M9K20	2	6,7 ÷ 7,6	80
M9K50	6	8,8 ÷ 9,7	210
M9L00	7	8,9 ÷ 9,8	215
M9L50	8	9,8 ÷ 10,8	250
M9M00	12	11,5 ÷ 12,7	360
M9N00	16	12,7 ÷ 14,0	470
M9P00	19	13,3 ÷ 14,7	540
M9Q00	24	15,6 ÷ 17,2	700
M9R00	37	17,8 ÷ 19,7	980
M9R50	46	21,0 ÷ 23,0	1090

Table 9E - TYPE UN 2,5-O (2,50 mm²)

Item n°	Number of cores	Outer diameter [mm]	Cable mass [kg/km]
M9S00	7	10,7 ÷ 11,8	310
M9T00	12	13,8 ÷ 15,3	520
M9U00	16	15,3 ÷ 16,9	670
M9V00	19	16,2 ÷ 17,9	790
M9W00	24	19,0 ÷ 21,0	990
M9X00	37	21,9 ÷ 24,2	147

Add letter **E** to the item number for "enhanced screening effectiveness". For these EMC version, outer diameter indicated in the tables shall be increased by 0,50 mm.

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On request, single cores are available with cross section in AWG as follows (cable bears the marking NAV-80-6145-0006-13-01B000 and Cert.Om.nr.28/22 :

UN 24-O (AWG 24)

Item n° (white)	No. of cores	Outer diameter [mm]	Cable mass [kg/km]
MX316	8	5,8 ÷ 6,6	65
MX308	60	12,4 ÷ 13,7	320

UN 22-O (AWG 22)

Item n° (white)	No. of cores	Outer diameter [mm]	Cable mass [kg/km]
MX343	60	13,5 ÷ 14,7	410

UN 20-O (AWG 20)

Item n° (white)	No. of cores	Outer diameter [mm]	Cable mass [kg/km]
MX346	2	5,2 ÷ 6,0	48
MX317	4	5,8 ÷ 6,6	70
MX092	7	6,4 ÷ 7,3	109
MX093	10	7,9 ÷ 8,8	149
MX115	14	8,5 ÷ 9,5	186
MX095	19	9,4 ÷ 10,4	236
MX096	24	10,9 ÷ 12,0	304
MX097	30	11,4 ÷ 12,6	359
MX098	37	12,6 ÷ 13,8	425

UN 20-OO (AWG 20) - 74 dB

Item n° (white)	No. of cores	Outer diameter [mm]	Cable mass [kg/km]
MX008	3	5,9 ÷ 6,6	80
MX009	10	8,7 ÷ 9,5	165
MX030	14	9,5 ÷ 10,3	215
MX011	20	11,0 ÷ 11,8	290

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UN 18-O (AWG 18)

Item n° (white)	No. of cores	Outer diameter [mm]	Cable mass [kg/km]
MX315	7	8,0 ÷ 9,1	160
MX110	10	8,8 ÷ 9,9	189
MX111	14	9,4 ÷ 10,6	240

UN 16-O (AWG 16)

Item n° (white)	No. of cores	Outer diameter [mm]	Cable mass [kg/km]
MX288	2	6,6 ÷ 7,4	105
MX112	7	7,7 ÷ 8,9	145
MX304	8	9,5 ÷ 10,3	150
MX282	9	9,8 ÷ 11,0	245
MX113	12	10,1 ÷ 11,5	311
MX281	21	13,5 ÷ 14,7	470
MX114	24	13,9 ÷ 15,4	582
MX314	27	15,2 ÷ 17,1	650
MX285	37	15,9 ÷ 17,5	835

UN 16-00 (AWG 16) - 74 dB

Item n° (white)	No. of cores	Outer diameter [mm]	Cable mass [kg/km]
MX012	10	11,5 ÷ 12,4	315
MX013	30	16,9 ÷ 17,9	740
MX353	20	14,4 ÷ 15,4	570

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