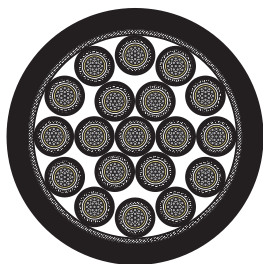


UNINAV – Type US-xx-O

Overall and single multiscreened cores 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 11A, 11B, 11C and 11D (cross-section 0,35 ÷ 1,5 mm²) of NAV-80-6145-0003-14-00B000 (see Ministry of Defence homologation certificate n° 27/22)

Table 11A - TYPE US 0,35-O (0,35 mm²)

Item n°	Number of cores	Outer diameter [mm]	Cable mass [kg/km]
MB100	3	7,3 ÷ 8,0	100
MB200	7	9,2 ÷ 10,2	170
MB300	14	12,6 ÷ 13,9	330
MB400	20	14,6 ÷ 16,2	450
MB500	30	17,3 ÷ 19,0	650
MB600	40	19,4 ÷ 21,5	880

Table 11B - TYPE US 0,50-O (0,50 mm²)

Item n°	Number of cores	Outer diameter [mm]	Cable mass [kg/km]
MB700	3	7,5 ÷ 8,3	110
MB800	7	9,7 ÷ 10,7	200
MB850	10	12,4 ÷ 13,2	280
MB900	12	12,4 ÷ 13,7	330
MBA00	19	14,6 ÷ 16,2	500
MBB00	37	19,3 ÷ 21,3	850

CONSTRUCTION

Conductor: concentric tinned copper conductor according ASTM B33

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

Core screen: tinned copper wire braid

Core sheath: halogen free compound, type S2 according to Standard EN 50306-1, colour black with printed white numbers for identification

Overall 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
US "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

DESIGNATION EXAMPLE:
MBA00 - US 0,50-O-19 (screened cable, nineteen screened cores, cross section 0,50 mm²)

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 11C - TYPE US 1,0-O (1,00 mm²)

Item n°	Number of cores	Outer diameter [mm]	Cable mass [kg/km]
MBC00	3	8,5 ÷ 9,3	155
MBD00	7	10,7 ÷ 11,9	275
MBE00	12	13,8 ÷ 15,3	435
MBF00	19	16,4 ÷ 17,9	650
MBG00	37	22,0 ÷ 24,0	1150

Table 11D - TYPE US 1,5-O (1,50 mm²)

Item n°	Number of cores	Outer diameter [mm]	Cable mass [kg/km]
MBH00	3	9,6 ÷ 10,6	200
MBJ00	7	12,3 ÷ 13,5	375
MBK00	10	15,7 ÷ 17,3	550
MBL00	19	19,0 ÷ 20,9	900
MBM00	37	25,7 ÷ 28,2	1650

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."

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 :

US 22-O (AWG 22)

Item n° (white)	No. of cores	Outer diameter [mm]	Cable mass [kg/km]
MX116	3	6,5 ÷ 7,3	94
MX117	7	8,2 ÷ 9,2	151
MX118	14	11,3 ÷ 12,5	274
MX119	20	13,2 ÷ 14,4	382
MX120	30	15,6 ÷ 17,0	528
MX121	40	23,9 ÷ 25,5	1185

US 20-O (AWG 20)

Item n° (white)	No. of cores	Outer diameter [mm]	Cable mass [kg/km]
MX122	7	9,2 ÷ 10,1	187
MX123	12	12,1 ÷ 13	354
MX124	19	11,3 ÷ 15,3	455

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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