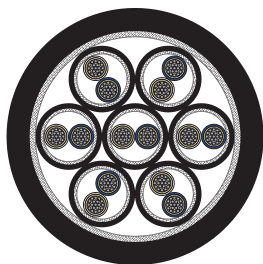


UNINAV – Type CS-xx-O

Screened multipairs and overall screened 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 16A, 16B, 16C, 16D and 16E (cross-section 0,35÷2,50 mm²) of NAV-80-6145-0003-14-00B000 (see Ministry of Defence homologation certificate n° 27/22)

Table 16A - TYPE CS 0,35-O (0,35 mm²)

Item n°	Number of pairs	Outer diameter [mm]	Cable mass [kg/km]
MG050	2	10,8 ÷ 11,8	165
MG100	3	9,8 ÷ 10,8	185
MG140	4	11,5 ÷ 12,5	215
MG150	5	12,2 ÷ 13,2	255
MG200	7	12,9 ÷ 14,3	350
MG250	8	14,4 ÷ 15,4	390
MG270	10	16,5 ÷ 18,3	497
MG300	12	16,9 ÷ 18,7	585
MG400	14	17,8 ÷ 19,7	685
MG500	19	19,9 ÷ 22,0	870
MG550	20	23,0 ÷ 24,5	890
MG600	30	25,0 ÷ 27,6	1300
MG700	40	28,5 ÷ 31,5	1710

CONSTRUCTION

Conductor: concentric tinned copper conductor according ASTM B33

Insulation: double layer with special compound, white and blue

Pairs: single cores are twisted into pairs.

Screen: tinned copper wire braid on each pair

Pair inner sheath: halogen free compound with pair number 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 CS "cross section"-O-"number of pairs" – 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:
MG200 - CS 0,35-O-7 (seven pairs, cross section 0,35 mm²)

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Table 16B - TYPE CS 0,50-O (0,50 mm²)

Item n°	Number of pairs	Outer diameter [mm]	Cable mass [kg/km]
MG780	2	10,0 ÷ 11,0	160
MG800	3	10,1 ÷ 11,1	205
MG850	4	11,5 ÷ 12,5	254
MG900	7	13,2 ÷ 14,6	385
MGA00	12	17,5 ÷ 19,3	640
MGB00	14	18,5 ÷ 20,4	720
MGC00	19	20,8 ÷ 23,0	955
MGC50	20	22,8 ÷ 25,3	980
MGD00	30	25,9 ÷ 28,6	1430
MGE00	40	29,3 ÷ 32,4	1880

Table 16C - TYPE CS 1,0-O (1,00 mm²)

Item n°	Number of pairs	Outer diameter [mm]	Cable mass [kg/km]
MGF00	3	11,4 ÷ 12,6	260
MGC00	7	15,0 ÷ 16,6	510
MGH00	12	19,9 ÷ 22,0	830
MGK00	14	21,1 ÷ 23,4	970
MGJ00	19	23,8 ÷ 26,3	1290
MGL00	30	29,9 ÷ 33,0	2035
MGM00	40	34,3 ÷ 38,0	2670

Table 16D - TYPE CS 1,50-O (1,50 mm²)

Item n°	Number of pairs	Outer diameter [mm]	Cable mass [kg/km]
MCN00	3	13,6 ÷ 15,0	365
MCN50	4	16,2 ÷ 17,5	430
MGP00	7	18,0 ÷ 19,9	740
MCQ00	12	24,4 ÷ 27,0	1240
MGR00	14	25,8 ÷ 28,5	1410
MGS00	19	29,3 ÷ 32,4	1870
MGT00	30	36,7 ÷ 40,5	2890
MGU00	40	42,1 ÷ 46,5	3795

Table 16E - TYPE CS 2,5-O (2,50 mm²)

Item n°	Number of pairs	Outer diameter [mm]	Cable mass [kg/km]
MGV00	2	16,6 ÷ 18,5	455
MGW00	3	17,7 ÷ 19,6	560

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 :

CS 26-O (AWG 26)

Item n° (white)	No. of pairs	Outer diameter [mm]	Cable mass [kg/km]
MX283	4	9,7 ÷ 10,7	165

CS 24-O (AWG 24)

Item n° (white)	No. of pairs	Outer diameter [mm]	Cable mass [kg/km]
MX347	3	9,3 ÷ 10,2	145
MX348	4	10,0 ÷ 10,9	160
MX310	7	11,9 ÷ 12,9	270

CS 22-O (AWG 22)

Item n° (white)	No. of pairs	Outer diameter [mm]	Cable mass [kg/km]
MX258	2	8,3 ÷ 9,1	119
MX292	3	9,1 ÷ 10,0	155
MX349	4	10,6 ÷ 11,5	185
MX289	7	12,4 ÷ 13,3	290
MX232	8	13,5 ÷ 14,5	330
MX345	10	16,5 ÷ 17,7	430
MX293	14	17,0 ÷ 18,6	509
MX169	19	19,2 ÷ 20,4	675
MX170	30	24,5 ÷ 26,1	957
MX171	40	27,0 ÷ 29,0	1323

CS 22-OO (AWG 22) - 74 dB

Item n° (white)	No. of pairs	Outer diameter [mm]	Cable mass [kg/km]
MX001	3	9,9 ÷ 10,9	170
MX002	7	13,0 ÷ 14,0	310
MX003	10	15,8 ÷ 17,0	425
MX004	14	18,0 ÷ 19,2	535
MX005	16	19,1 ÷ 20,3	590
MX006	24	24,0 ÷ 25,2	880

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CS 20-O (AWG 20)

Item n° (white)	No. of pairs	Outer diameter [mm]	Cable mass [kg/km]
MX290	2	9,8 ÷ 11,1	170
MX185	3	10,0 ÷ 11,3	216
MX312	5	13,2 ÷ 15,0	325
MX286	6	13,3 ÷ 15,1	345
MX186	7	13,3 ÷ 15,1	389
MX350	8	15,5 ÷ 17,3	415
MX284	10	18,6 ÷ 20,3	560
MX187	12	18,8 ÷ 20,5	618
MX188	19	21,2 ÷ 23,4	928

CS 20-OO (AWG 20) - 74 dB

Item n° (white)	No. of pairs	Outer diameter [mm]	Cable mass [kg/km]
MX007	2	10,8 ÷ 12,0	180
MX352	7	13,8 ÷ 15,6	390

CS 18-O (AWG 18)

Item n° (white)	No. of pairs	Outer diameter [mm]	Cable mass [kg/km]
MX344	3	11,6 ÷ 12,7	259
MX199	7	15,5 ÷ 17,0	478
MX200	12	20,6 ÷ 22,5	797
MX201	19	24,8 ÷ 26,9	1207
MX202	30	31,0 ÷ 33,4	1796

CS 18-OO (AWG 18) - 74 dB

Item n° (white)	No. of pairs	Outer diameter [mm]	Cable mass [kg/km]
MX198	3	11,6 ÷ 12,7	260

CS 24-OO (AWG 24) - 74 dB

Item n° (white)	No. of pairs	Outer diameter [mm]	Cable mass [kg/km]
MX029E	7	12,0 ÷ 13,0	275

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