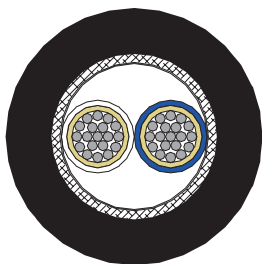


UNINAV – Type FN 02

Bipolar power supply 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 5A, 5B e 5C (cross-section 1,0 ÷ 2,5 mm²) of NAV-80-6145-0003-14-00B000 (see Ministry of Defence homologation certificate n° 27/22)

Table 5A - TYPE FN 02-N

Item n°	Cross-section [mm ²]	Outer diameter [mm]	Cable mass [kg/km]
M5100	2x1,0	5,10 ÷ 5,70	50
M5200	2x1,5	6,10 ÷ 6,70	75
M5300	2x2,5	7,20 ÷ 8,00	105

Table 5B - TYPE FN 02-O

Item n°	Cross-section [mm ²]	Outer diameter [mm]	Cable mass [kg/km]
M5400	2x1,0	5,70 ÷ 6,30	70
M5500	2x1,5	6,70 ÷ 7,40	100
M5600	2x2,5	7,80 ÷ 8,60	135

CONSTRUCTION

Conductor: concentric tinned copper conductor according ASTM B33

Insulation: double layer with special compound, white and blue

Inner sheath: halogen free compound (for type FN 02-A)

Screen: tinned copper wire braid (for type FN 02-O)

Armour: aluminium wire braid (for type FN 02-A)

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

Marking: NAV-80-6145-0003-14-00B000 FN 02-"type"- "cross section"- 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:
M5500 - FN 02-O-1,5
Screened and unarmoured pair 1,5 mm²

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Table 5C - TYPE FN 02-A

Item n°	Cross-section [mm²]	Outer diameter [mm]	Cable mass [kg/km]
M5700	2x1,0	7,80 ÷ 8,70	115
M5800	2x1,5	8,80 ÷ 9,80	150
M5900	2x2,5	10,00 ÷ 11,00	185

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

FN 02-N

Item n° (white)	Cross-section AWG (mm²)	Diameter [mm]	Cable mass [kg/km]
MX299	2x16 (1,34)	5,20 ÷ 6,10	71
MX298	2x14 (1,82)	6,00 ÷ 6,90	88
MX058	2x12 (2,61)	6,70 ÷ 7,60	111

FN 02-O

Item n° (white)	Cross-section AWG (mm²)	Diameter [mm]	Cable mass [kg/km]
MX056	2x16 (1,34)	5,90 ÷ 6,70	94
MX060	2x14 (1,82)	6,50 ÷ 7,50	114
MX061	2x12 (2,61)	7,40 ÷ 8,30	139

FN 02-OO (74 dB)

Item n° (white)	Cross-section AWG (mm²)	Diameter [mm]	Cable mass [kg/km]
MX014	2x16 (1,34)	5,90 ÷ 6,70	94
MX015	2x12 (2,61)	8,50 ÷ 9,50	180

FN 02-A

Item n° (white)	Cross-section AWG (mm²)	Diameter [mm]	Cable mass [kg/km]
MX062	2x16 (1,34)	7,00 ÷ 8,00	130
MX063	2x14 (1,82)	8,40 ÷ 9,60	151
MX064	2x12 (2,61)	9,30 ÷ 10,40	180

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