



CONTACT

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MOBIWAY BOOST - cable and reel system. Cable: twin active, 2 core + earth, 3 core + earth 450/750V V-90 insulated, PVC sheathed to AS/NZS 5000.2, copper conductors, 90° C. Manufactured in accordance with PVC Best Practice Guidelines.

STANDARDS

Product AS/NZS 1125; AS/NZS 5000.2

OVERVIEW

MOBIWAY BOOST is Nexans' innovative cable installation system combining our top selling building cable with a game-changing spool design to help you work smarter, faster, and safer.

Available with 9 top-selling building flats, BOOST gives you more choices, more possibilities.

APPLICATION

- Domestic, residential, and commercial building
- Industrial general applications
- Fixed applications for power and lighting

FEATURES & BENEFITS

- Integrated handle for easy transportation and rewinding
- Vertical or horizontal stacking for running multiple cables
- Optimised pre-cut cable length on every reel
- Free rolling inner spool
- Meter marked
- Reel is returnable and reusable



Rated Voltage U_o/U (U_m)
450/750 V



Bending factor when laying
6 (xD)

CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Conductor shape	Circular
Insulation	V-90
Outer sheath	PVC
With Green/Yellow core	Yes

Electrical characteristics

Rated Voltage U ₀ /U (Um)	450/750 V
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Usage characteristics









Bending factor when installed	4 (xD)
Bending factor when laying	6 (xD)









PVC FLAT 2 CORES + EARTH

Cross section [mm ²]	Type of conductor	Nom. insulation thick. [mm]	Nom. outer sheath thick. [mm]	Earth cond. sect. [mm ²]	Nom. over. diam.	Approx. weight [kg/100m]	Country Ref.
1	Solid copper	0.6	0.9	-	6.5 x 4.2	5.0	CACP02MK002WVAB
1.5	Stranded copper	0.6	0.9	-	7.2 x 4.5	6.2	CACP05MK002WVAB
2.5	Stranded copper	0.7	1.0	-	8.9 x 5.4	9.7	CACP07MK002WVAB
1	Solid copper	0.6	0.9	1	8.9 x 4.2	7.74	CNCP02MK002WVAA
1.5	Stranded copper	0.6	0.9	1.5	9.9 x 4.5	13.29	CNCP05MK002WVAA
2.5	Stranded copper	0.7	1.0	2.5	12.2 x 5.4	14.03	CNCP07MK002WVAA
4	Stranded copper	0.8	1.1	2.5	13.9 x 6.3	18.65	CNCP09MK002WVAA
6	Stranded copper	0.8	1.1	2.5	15.0 x 6.9	23.04	CNCP11MK002WVAA
1.5	Stranded copper	0.6	0.6	1.5	15.7 x 5.5	12.0	ENCP05MK003BFEC

PVC FLAT WITH EARTH - CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS)









Copper Conductor Insulation PVC Maximum Conductor Temperature 75C









Conductor cross-section [mm ²]								
	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
1	15	14	11	7	13	10	6	17
1.5	19	18	14	9	16	13	8	21
2.5	27	26	20	13	23	19	12	30
4	37	34	27	17	30	24	15	39
6	46	44	35	22	39	31	20	50
10	64	60	48	30	52	42	26	66
16	85	80	64	40	68	54	34	86

 Unenclosed spaced	 Unenclosed touching	 Unenclosed and partially surrounded by thermal insulation
 Unenclosed and completely surrounded by thermal insulation	 Enclosed conduit in air	 Enclosed, partially surrounded by thermal insulation
 Enclosed, completely surrounded by thermal insulation	 Underground ducts	

PVC FLAT WITH EARTH - CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS)

Copper Conductor Insulation PVC Maximum Conductor Temperature 75C

Conductor cross-section [mm ²]								
	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
1	13	12	9	6	11	9	5	14
1.5	16	15	12	8	14	11	7	18
2.5	23	22	17	11	20	16	10	25
4	31	29	23	15	25	20	13	33

 Unenclosed spaced	 Unenclosed touching	 Unenclosed and partially surrounded by thermal insulation
 Unenclosed and completely surrounded by thermal insulation	 Enclosed conduit in air	 Enclosed, partially surrounded by thermal insulation
 Enclosed, completely surrounded by thermal insulation	 Underground ducts	