

Flexible Power Cable

PVC Insulated flexible wire 450/750 V



USE:

Recommended use:

Installation in sun-free mounted or embedded conduits, or similar closed system.
Suitable for fixed protected installation in, or on, lighting or control-gear for voltages up to 1000V a.c. or, up to 750V d.c. to earth.

Method of installation:

In conduit, in cable trunking, in cable wiring of electrical appliance and equipment.
For use in normal temperature zones.

SPECIFICATION:

High conductivity bare soft copper flexible conductors according to IEC 60228 Class 5, insulated with PVC-70°C in colors as required according to Israel Standard SI 60227 IEC 02 (similar to type HO7V-K).

Minimum bending radius:

$OD \leq 8 \text{ mm}: 4 \times OD^*/2 \times OD^{**}$

$8 < OD \leq 12 \text{ mm}: 5 \times OD^*/3 \times OD^{**}$

$OD > 12 \text{ mm}: 6 \times OD^*/4 \times OD^{**}$

* for conventional use, ** for careful bending; OD = outer diameter

Nominal voltage: U_0/U 450/750 V

Test voltage: 2,500 V

Flame retardant according IEC 60332-1-2

Current rating: EN 50565-1/VDE 0298-565-1

STANDARD DELIVERY LENGTHS:

Up to 35 mm² in coils of 100 m, 50 mm² to 120 mm² in coils of 50 meters. 70 mm² to 240 mm² on drums of 500 meters. Longer delivery lengths on drums upon request.

TECHNICAL DATA

Catalog Number (*)	Nominal cross sectional area of conductors	Max. wire diameter in conductor	Nominal insulation thickness	Mean overall diameter	Approx. cable weight	Current rating in pipe in air at 30°C
	mm ²	mm			kg/km	Amps
110043(45)-A	1	0.21	0.6	3.0	14	10
110051(45)-A	1.5	0.26	0.6	3.4	19	16
110078(45)-A	2.5	0.26	0.7	4.1	29	20
110086(45)-A	4	0.31	0.8	4.8	45	25
110094(45)-A	6	0.31	0.8	5.3	65	36
110108(45)-A	10	0.41	1.0	6.4	115	50
110116(45)-A	16	0.41	1.0	7.6	165	68
110132(45)-A	25	0.41	1.2	9.0	255	89
110140(45)-A	35	0.41	1.2	10.5	350	110
110159(45)-A	50	0.41	1.4	13.0	490	134
110230(45)-A	70	0.51	1.4	15.0	675	171
110248(45)-A	95	0.51	1.6	17.5	905	207
110250(45)-A	120	0.51	1.6	18.0	1,185	239
110271(45)-A	150	0.51	1.8	20.0	1,445	275
110263(45)-A	185	0.51	2.0	23.0	1,805	314
110259(45)-A	240	0.51	2.2	26.0	2,290	369

(*) The suffixes of the Catalog Number are as follows:

- Brown BN (1)
- Brown + Orange Strip BN/OG (13)
- Brown + Black Strip BN/BK (10)
- Blue BU (6)
- Yellow + Green Strip YE/GN (45)
- Red (2), Black (0)



Rated Voltage U_0/U
450/750V



Conductor Flexibility
Stranded Cl.5



Maximum Conductor
Temperature in Service
70°C



Flame Retardant IEC
60332 – 1
(FR-1)



Lead Free