POWER CABLE

CLASS 5, SINGLE CORE POWER CABLE, FLEXIBLE COPPER CONDUCTOR, XLPE INSULATED, NYLON JACKET, PVC SHEATHED - CmXNV

Cu/XLPE/PVC/NY/PVC

STANDARD:
- AS/NZS 5000.1
- AS/NZS 1125
- AS/NZS 3808

CONSTRUCTION:
- Conductor: Annealed copper wire (class 5)
- Insulation: XLPE (Type X-90)
- Inner sheath: PVC (Type 5V-90)
- Anti termite protection layer: Nylon 12
- Sheath: PVC (Type 5V-90)

IDENTIFICATION:
- Insulation colour: Natural.
- Outer sheath colour: Black

TECHNICAL CHARACTERISTICS:
- Rated voltage U_0/U: 0,6/1 kV.
- Maximum conductor temperature for normal operation is 90°C.
- Maximum conductor temperature for short-circuit (5s maximum duration) is 250°C.
- Minimum bending radius:

* Installed cables: 8 x D (D: overall diameter of cable).

APPLICATION:
- Ideal for cable tray installation, open wiring, conduits, service entrance, feeders and branch circuits.



1. Conductor: Copper
2. Insulation: XLPE (Type X-90)
3. Inner sheathed: PVC (Type 5V-90)
4. Anti termite protection layer: Nylon 12
5. Oversheathed: PVC (Type 5V-90)

No.	Conductor			Cable				
	Nominal Area	Nominal diameter (*)	Max.DC resistance at 20°C	Nominal insulation thickness	Nominal nylon thicknesss	Nominal sheath thickness	Approx. Overall Diameter (*)	Approx. Weight (*)
	mm^2	mm	Ω/km	mm		mm	mm	kg/km
1	16	5.3	1.21	0.7	0.2	1.4	12.4	274
2	25	6.6	0.78	0.9	0.2	1.4	14.1	381
3	35	7.9	0.554	0.9	0.2	1.4	15.4	494
4	50	9.6	0.386	1.0	0.2	1.4	17.4	644
5	70	11.3	0.272	1.1	0.2	1.4	19.3	856
6	95	13.1	0.206	1.1	0.2	1.5	21.3	1098
7	120	14.9	0.161	1.2	0.2	1.5	23.4	1378
8	150	17.0	0.129	1.4	0.2	1.6	26.2	1717
9	185	18.6	0.106	1.6	0.2	1.6	28.2	2029
10	240	21.4	0.0801	1.7	0.2	1.7	31.6	2602
11	300	24.1	0.0641	1.8	0.2	1.8	34.8	3236
12	400	27.8	0.0486	2.0	0.2	1.9	39.1	4228
13	500	31.1	0.0384	2.2	0.2	2.0	43.1	5229

(*) Reference value: For design transportation, storage products. Not for evaluating the quality of products.
DAPHACO is also committed to providing customized cable solution to suit any customer standards and requirements.