POWER CABLE

CLASS 5, SINGLE CORE POWER CABLE, FLEXIBLE COPPER CONDUCTOR, XLPE INSULATED, PVC SHEATHED - CmXV

Cu/XLPE/PVC

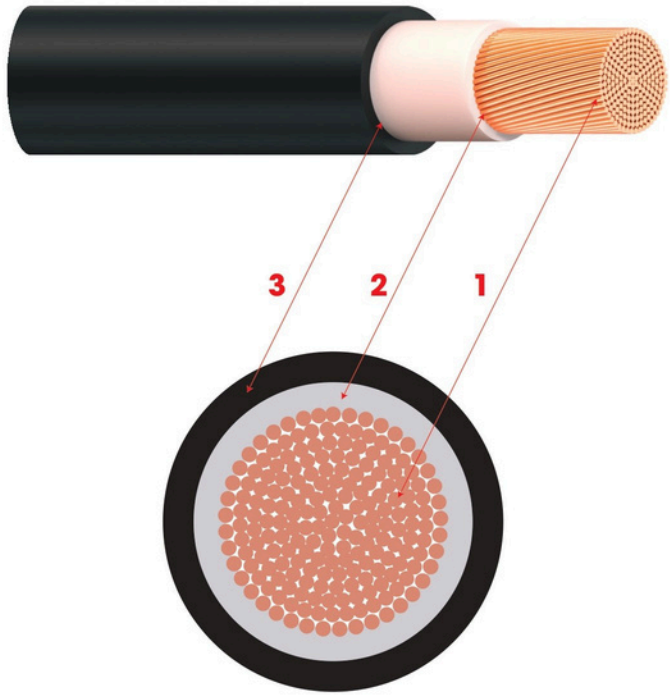
STANDARD:
- AS/NZS 5000.1
- AS/NZS 1125
- AS/NZS 3808

CONSTRUCTION:
- Conductor: Annealed copper wire (class 5)
- Insulation: XLPE (Type X-90)
- Sheath: PVC (Type 5V-90)

IDENTIFICATION:
- Insulation colour: Natural.
- Outer sheath colour: Orange or colour as order

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:
- Cable for mains, submains and subcircuits unenclosed, enclosed in conduit, buried or in underground ducts for building and industrial plants where not subject to mechanical damage. Suitable where space is at a premium.



1. Conductor: Copper
2. Insulation: XLPE (Type X-90)
3. Oversheath: PVC (Type 5V-90)

No.	Conductor			Cable			
	Nominal Area	Nominal diameter (*)	Max. DC resistance at 20°C	Nominal insulation thickness	Nominal sheath thickness	Approx. Overall Diameter (*)	Approx. Weight (*)
	mm^2	mm	Ω/km	mm	mm	mm	kg/km
1	1.5	1.6	13.3	0.7	1.4	6.0	47
2	2.5	2.0	7.98	0.7	1.4	6.4	59
3	4	2.6	4.95	0.7	1.4	7.0	78
4	6	3.2	3.30	0.7	1.4	7.6	101
5	10	4.1	1.91	0.7	1.4	8.5	145
6	16	5.3	1.21	0.7	1.4	9.7	211
7	25	6.6	0.78	0.9	1.4	11.4	309
8	35	7.9	0.554	0.9	1.4	12.8	416
9	50	9.6	0.386	1.0	1.4	15.0	562
10	70	11.3	0.272	1.1	1.4	16.9	763
11	95	13.1	0.206	1.1	1.5	18.9	996
12	120	14.9	0.161	1.2	1.5	20.9	1261
13	150	17.0	0.129	1.4	1.6	23.7	1586
14	185	18.6	0.106	1.6	1.6	25.7	1887
15	240	21.4	0.0801	1.7	1.7	29.8	2488
16	300	24.1	0.0641	1.8	1.8	32.9	3104
17	400	27.8	0.0486	2.0	1.9	37.2	4080

(*) 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.