

Multicore Screened Submersible EPR/CPE Cable VSD 90°C 0.6/1kV

Screened Variable Speed Drive
Flexible Cables
EPR/CPE Black Sheath
3 core & earth 10-185mm²
4 core & earth 2.5-10mm²



Cable Construction

- Conductors:**
Conductors extra fine annealed copper wires. Class 5.
- Insulation:**
EPR R-EP-90°C
- Screening:**
Aluminium/Mylar tape plus tinned copper braid. 70%
Minimum Braid Coverage 70%
Aluminium/Mylar Coverage 100%
- Sheath:**
90°C flexible CPE Elastomer resistant to most oils, acids & solvents at extreme temperatures.
UV stabilised and flame retardant.

Temperature Range

-15 to +90°C

Current Rating

As per Table 14 of AS/NZS 3008

Rated Voltage

0.6/1kV

Relevant Standards

AS/NZS 3808, AS 5000.1, IEC 60332-1, IEC 60228

Bending Radius

8 times diameter after installed
12 times diameter during install

Maximum Conductor Temperature

90°C

Sheath Colour

Black

Typical Uses

Afex/EMV cables have been designed for connection of AC Variable speed drives and incorporates an aluminium/mylar tape plus a tinned copper braid & split earth cores for optimum screening performance of low and high frequencies (RFI) and electromagnetic (EMI) so that RFI/EMI may not react with other devices outside the plant.

Cables with EPR/CPE can all be used as submersible flexibles to 100Mts depth. The materials used in the manufacture of these cables are RoHS Compliant.

Core Colour

3&E Red, White, Blue & Green/Yellow
4&E Red, White, Blue, Black, Green/Yellow

TECHNICAL DATA

Part Number	Power Cores mm ²	Earth Cores mm ²	N.O.D Under Sreen	Nom. O.D. mm	Nom. Amps 40°C Spaced	Approx. Cable Weight Kg/Km
HDXCY04/10BK	3 x 10	3 x 1.5	18.1	24.6	66	675
HDXCY04/16BK	3 x 16	3 x 2.5	20.4	26.2	88	955
HDXCY04/25BK	3 x 25	3 x 4	24.6	30.0	119	1455
HDXCY04/35BK	3 x 35	3 x 6	28.4	33.0	147	2200
HDXCY04/50BK	3 x 50	3 x 10	33.6	38.9	180	3210
HDXCY04/70BK	3 x 70	3 x 10	36.4	42.1	229	3950
HDXCY04/95BK	3 x 95	3 x 16	42.7	48.8	283	5126
HDXCY04/120BK	3 x 120	3 x 16	46.6	52.9	330	5925
HDXCY04/150BK	3 x 150	3 x 25	52.6	58.8	377	7146
HDXCY04/185BK	3 x 185	3 x 25	56.8	62.1	436	867.5
HDXCY04/240BK	3 x 240	3 x 35	63.7	71.1	511	10800
HDXCY04/300BK	3 x 300	3 x 35	70.4	79.6	591	11680
HDXCY05/2.5BK	4 x 2.5	1 x 2.5	10.5	20.0	28	533
HDXCY05/4.0BK	4 x 4	1 x 4	16.2	22.4	38	728
HDXCY05/6.0BK	4 x 6	1 x 6	17.8	24.0	48	952
HDXCY05/10BK	4 x 10	1 x 10	22.0	28.2	66	1670

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