

## Multicore Screened XLPE/NBR Cable VSD 90°C 0.6/1kV

Screened Variable Speed Drive  
 Flexible Cables  
 Transparent or Black  
 Sheath up to 35mm<sup>2</sup>



### Cable Construction

1. **Conductors:**  
Conductors extra fine annealed copper wires. Class 5
2. **Insulation:**  
XLPE 90°C
3. **Screening:**  
Aluminium/Mylar tape plus tinned copper braid.  
Minimum Braid Coverage 80%  
Aluminium/Mylar Coverage 100%
4. **Sheath:**  
Black Sheath 90°C flexible NBR Elastomer. Clear sheath 90°C flexible PVC,  
all resistant to most oils, acids & solvents.
5. UV stabilised and flame retardant.

### Temperature Range

-30 to +90°C

### Current Rating

As per Table 14 of AS/NZS 3008

### Rated Voltage

0.6/1kV

### Relevant Standards

AS 5000.1, IEC 60332-1, IEC 60228

### Bending Radius

8 times diameter after install

12 times diameter during install

### Maximum Conductor Temperature

90°C

### Sheath Colour

Black or Clear

### 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 screening.

6mm<sup>2</sup> and above have 3 split earth cores for optimum performance against low and high frequencies (RFI) and electromagnetic (EMI) so that RFI/EMI may not react with other devices outside the plant.

The materials used in the manufacture of these cables are RoHS Compliant.

### Core Colour

2&E Red, Black, Green/Yellow

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

## TECHNICAL DATA

Part Number	Power Cores mm <sup>2</sup>	Earth Cores mm <sup>2</sup>	N.O.D Under Sreen	Nom. O.D. mm	Nom. Amps 40°C Spaced	Approx. Cable Weight Kg/Km
HDXCY03/1.5BK	2 x 1.5	1 x 1.5	7.9	11.4	24	155
HDXCY03/2.5BK	2 x 2.5	1 x 2.5	8.7	12.2	34	195
HDXCY04/1.5BK	3 x 1.5	1 x 1.5	8.7	12.2	20	195
HDXCY04/2.5BK	3 x 2.5	1 x 2.5	9.8	13.3	28	245
HDXCY04/4.0BK	3 x 4	1 x 4	11.3	14.8	38	350
HDXCY04/6.0BK	3 x 6	3 x 1.5	13.9	17.6	48	445
HDXCY03/1.5CLR	2 x 1.5	1 x 1.5	7.9	11.4	24	155
HDXCY03/2.5CLR	2 x 2.5	1 x 2.5	8.7	12.2	34	195
HDXCY04/1.5CLR	3 x 1.5	1 x 1.5	8.7	12.2	20	195
HDXCY04/2.5CLR	3 x 2.5	1 x 2.5	9.6	13.3	28	245
HDXCY04/4.0CLR	3 x 4	1 x 4	11.3	14.8	38	350
HDXCY04/6.0CLR	3 x 6	3 x 1.5	14.1	17.8	48	445
HDXCY04/10CLR	3 x 10	3 x 1.5	15.0	18.9	66	675
HDXCY04/16CLR	3 x 16	3 x 2.5	17.0	21.5	88	955
HDXCY04/25CLR	3 x 25	3 x 4	21.8	26.3	119	1455
HDXCY04/35CLR	3 x 35	3 x 6	24.8	29.3	147	2200

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