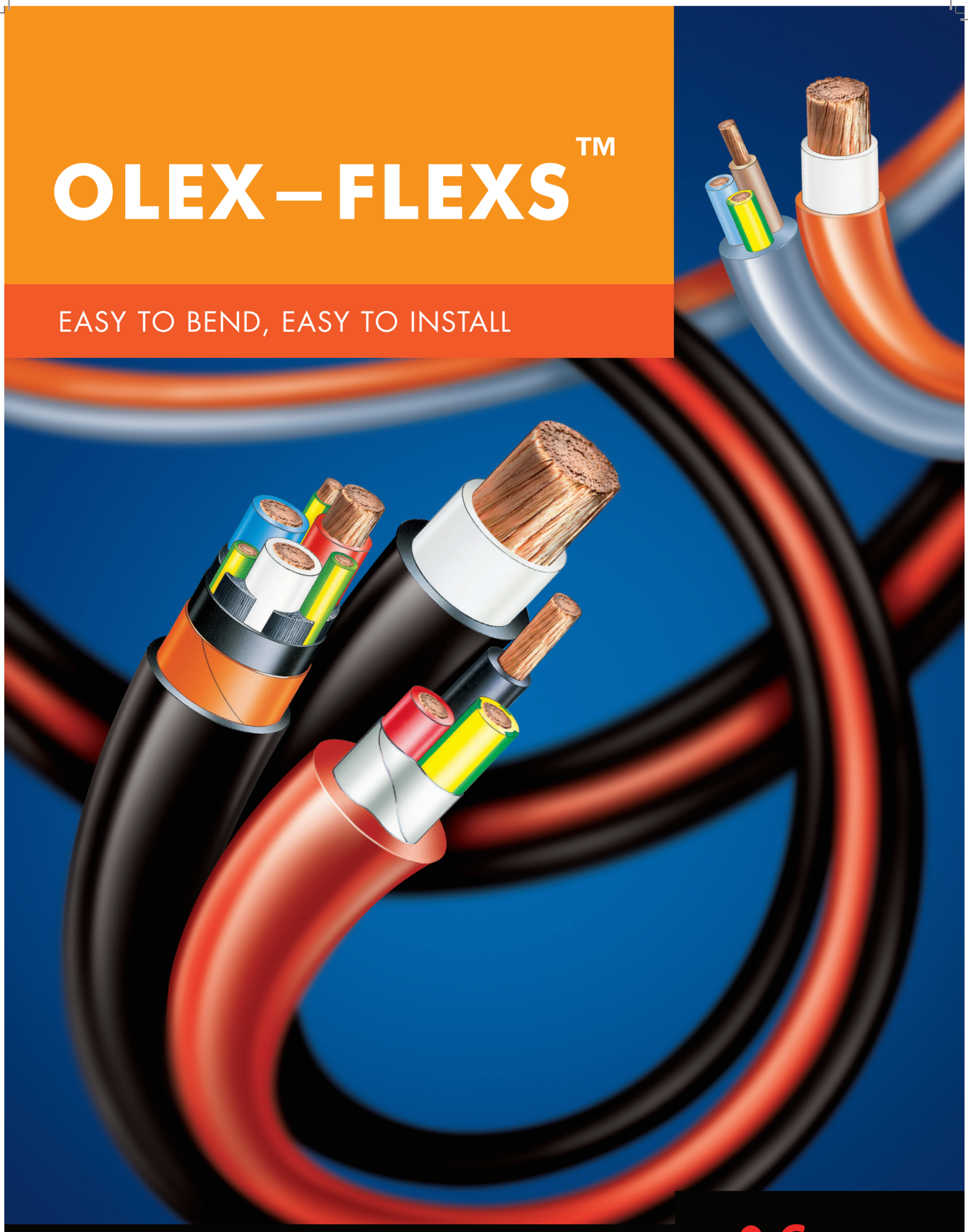
# OLEX–FLEXS™

EASY TO BEND, EASY TO INSTALL



Nexans Olex

## INTRODUCING
# OLEX–FLEXS™

Introducing our largest range of flexible cables, ever. Developed for use in building and industrial applications, Olex-Flexs™ has the flexibility to make your installation easy, with proven performance across a diverse range of operating environments.

Olex-Flexs™ is 'Easy to Bend. Easy to Install', so you can complete your job in less time, reducing the total cost of ownership of your next project.

Choose Olex-Flexs™ – the complete solution for all your flexible cable needs.

# Easy to Bend.
# Easy to Install.

**Easy Install**
Easier to bend and install in tight spaces, so projects are completed faster

**Complete Range**
Full range of Single and Multicore cable sizes to meet any project requirements

**No Cutting Charges**
Free cut to length service to meet your design specifications

**Reliable Project Turnaround**
Stock available to meet project turnarounds without delay

## WHY NEXANS OLEX?

**We Bring Energy to Australians**
A proud history of over 75 years, manufacturing quality cables for the Australian market and conditions.

**Quality and Performance**
State-of-the-art equipment and manufacturing processes that have achieved the following accreditations:

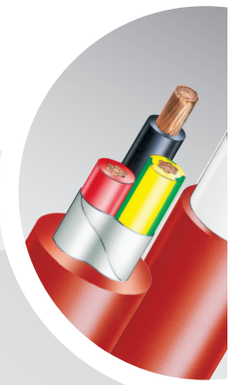
ISO 9001:2008
ISO 14000:2004
OHSAS 18001:2007

**Cable Management System**
A unique solution that assists in cable management on-site to maximise your project output, in full and on time.

**Technical Excellence**
Best-in-class technical support and services. Our highly experienced and knowledgeable technical team continue to deliver exceptional solutions to unique problems.

Nexans Olex

# COMPLETE FLEXIBLE SOLUTIONS FOR BUILDING AND INDUSTRIAL APPLICATIONS



OLEX–

## ENVIROLEX® Eco Power

**FEATURES**

- Operating temperature 110ºC meeting AS/NZS 5000.1 AS/NZS 1995 and AS/NZS 4507 RHE
- Conductor range up to 630mm² for Single Core and 300mm² for Multicore
- Flexible power cable for variety of building and industrial applications
- Low Smoke Zero Halogen sheath for reduced environmental impact, particularly under fire conditions
- Flame retardant – will not propagate fire

**SUITABLE FOR**

Mains, sub-mains to final circuits for high traffic environments where public safety during fire is important.

## POWERLEX® Power Cords

**FEATURES**

- Operating temperature 90ºC* meeting AS/NZS 3191, AS/NZS 3012
- Available in Ordinary and Heavy Duty flexible cords for building, industrial and manufacturing applications
- Conductor range in Multicore comes in wide range of sizes (For more details, refer to product page)
- Manufactured in Australia
- PVC Best Practice and Green Star rating certified.

**SUITABLE FOR**

Domestic and commercial environments including offices, for use in homes as extension leads, connecting to commercial equipment, manufacturing and industrial applications.

* Installation wiring only (when used as a supply flexible cord), current carrying capacity is limited to a conductor temperature of 60°C.

## ALSECURE® Fire Performance

**FEATURES**

Operating temperature 90°C and 110°C, passed WS52W fire test in accordance with AS/NZS 3013

Conductor range up to 630mm² for Single Core and 300mm² for Multicore

Maintains circuit integrity for essential services when under fire

Low Smoke Zero Halogen sheath for reduced environmental impact, particularly under fire conditions

**SUITABLE FOR**

Mains/sub-mains power, lighting, alarms, pumps and other essential services for high traffic public places such as shopping centres, government buildings, data centres, airports, hospitals and tunnels.

-FLEXS™

## VERSOLEX® Power Solution

**FEATURES**

Operating temperature 90°C meeting AS/NZS 5000.1 (Power) and AS/NZS 1995 (Welding)

Conductor range up to 630mm² for Single Core and 300mm² for Multicore

Flexible power cable for variety of building and industrial applications

**SUITABLE FOR**

Main/sub-mains power for residential and commercial buildings where easy installation is needed compared to stranded conductor. Easy to bend and reach tight corners with less time.

## VAROLEX® VSD Power

**FEATURES**

Operating temperature 90°C meeting AS/NZS 5000.1

Conductor range up to 300mm² for Multicore

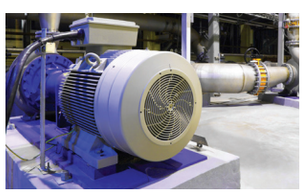
Flexible power cables designed to deliver better EMC (Electro Magnetic Compatibility) performance, via 100% coverage copper tape compared to braided cable

Manufactured in Australia

PVC Best Practice and Green Star Rating Certified

**SUITABLE FOR**

Connecting Variable Speed Drive to motors, pumps, compressors, conveyor belts, other machinery, and tunnels, requiring either soft start and/or continuously variable speed.



# ENVIROLEX®

Envirolex® is an extensive range of flame retardant cable developed for industrial applications. Engineered to reduce environmental impact under fire conditions and assist in reducing emissions of harmful gases that may hinder evacuation process during fire. Envirolex® has been built with safety in mind whilst retaining excellent mechanical and electrical properties.

**OLEX–FLEXS™**

## Did you know that smoke is the greatest hazard during fire?

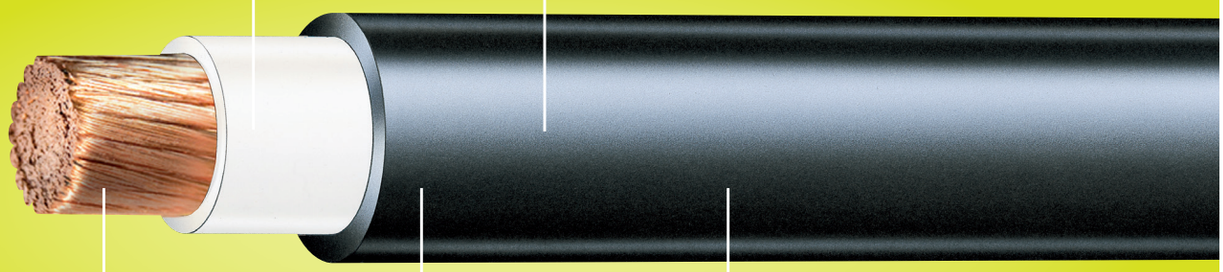
## It can incapacitate individuals and firemen during evacuation with harmful emissions.

**As cables are critical in fire safety engineering and Nexans Olex' Low Smoke Zero Halogen cables have been designed to:**

- Reduce smoke and harmful emissions to environment during fire.
- Help with low flame spread and heat release during fire which can assist with evacuation.
- Provides opportunity to down size your cables to smaller conductors that will save you money.

**Applications:**

- A comprehensive range of cables that are typically used for mains/sub-mains, final circuits connecting to electrical devices, lights, lifts etc.




**Maximum Operating Temp**

# 110°C

**Voltage Rating**

## 0.6/1 kv

### Construction

Single and Multicore flexible copper conductor (Class 5 & 6)

X-110 (XLPE) insulated

HFS-110-TP sheathed (Low Smoke Zero Halogen)

### Standards

AS/NZS 5000.1

AS/NZS 1995

AS/NZS 4507 RHE

### Current Ratings

Refer to AS/NZS 3008 table 6, 9, 12 &15

### Single Core

| Nominal conductor area | Maximum diameter of wires | Nominal overall diameter | Approx.mass | Product code |
|---|---|---|---|---|
| mm² | mm | mm | kg/100m | |
| 10 | 0.21 | 8.6 | 16 | BZHX01AA001CXNA |
| 16 | 0.21 | 9.8 | 23 | BZHX02AA001CXNA |
| 25 | 0.21 | 11.3 | 31 | BZHX03AA001CXNA |
| 35 | 0.21 | 12.5 | 40 | BZHX04AA001CXNA |
| 50 | 0.31 | 14.3 | 56 | BZHX05AA001CXNA |
| 70 | 0.31 | 16.2 | 75 | BZHX06AA001CXNA |
| 95 | 0.31 | 18.1 | 98 | BZHX07AA001CXNA |
| 120 | 0.51 | 20.4 | 113 | BZHE87AA001CXNA |
| 150 | 0.51 | 22.5 | 151 | BZHE88AA001CXNA |
| 185 | 0.51 | 24.8 | 182 | BZHE89AA001CXNA |
| 240 | 0.51 | 27.9 | 236 | BZHE90AA001CXNA |
| 300 | 0.51 | 30.8 | 295 | BZHE91AA001CXNA |
| 400 | 0.51 | 34.7 | 382 | BZHE92AA001CXNA |
| 500 | 0.51 | 40.0 | 483 | BZHE93AA001CXNA |
| 630 | 0.51 | 44.6 | 635 | BZHE94AA001CXNA |

Note: Also available in green/yellow earth between 10mm²-120mm².

### NEW Multicore

| Nominal conductor area | Nominal Insulation Thickness | Nominal Sheath Thickness | Nominal Overall Diameter | Approx.mass | Product code |
|---|---|---|---|---|---|
| mm² | mm | mm | mm | kg/100m | |
| | | | 2C+E | | |
| 1.5 | 0.7 | 1.8 | 10.3 | 17.1 | PTHR04AA002CXHF |
| 2.5 | 0.7 | 1.8 | 11.3 | 21.5 | PTHR05AA002CXHF |
| 4.0 | 0.7 | 1.8 | 11.9 | 25.4 | PTHR06AA002CXHF |
| | | | 3C+E | | |
| 2.5 | 0.7 | 1.8 | 12.2 | 23.8 | PTHR05AA003CXRJ |
| 4.0 | 0.7 | 1.8 | 13.0 | 29.0 | PTHR06AA003CXRJ |
| | | | 4C+E | | |
| 1.5 | 0.7 | 1.8 | 12.0 | 22.0 | PTHR04AA004CXEM |
| 2.5 | 0.7 | 1.8 | 13.1 | 28.2 | PTHR05AA004CXEM |
| 4.0 | 0.7 | 1.8 | 14.1 | 35.4 | PTHR06AA004CXEM |
| 6.0 | 0.7 | 1.8 | 15.2 | 44.5 | PTHR07AA004CXEM |
| 10.0 | 0.7 | 1.8 | 18.5 | 66.9 | PTHX01AA004CXEM |
| 16.0 | 0.8 | 1.8 | 21.4 | 95.6 | PTHX02AA004CXEM |
| 25.0 | 0.9 | 1.8 | 24.7 | 132.5 | PTHX03AA004CXEM |
| 35.0 | 0.9 | 1.8 | 28.0 | 178.4 | PTHX04AA004CXEM |
| 50.0 | 1.0 | 2.0 | 32.9 | 256.3 | PTHX05AA004CXEM |

Note: 70mm²-300mm² (4C+E) are available on made to order.

Halogen free


Low smoke

Operating temp 110°C


High flexibility


Flame retardant

# ALSECURE®

**OLEX–FLEXS™**

Alsecure® Fire Rated range of cables are designed to preserve circuit integrity of essential services and electrical equipment during fire. **Alsecure® INFIT Ceramifiable 90°C** is a unique polymer technology that transforms the cable from a flexible insulation into a ceramic barrier during fire. **Alsecure® Plus 110°**, is a MICA Tape layer that acts as protective barrier during fire. These cables meet the WS52W fire test in accordance with AS/NZS 3013.

## Did you know that 90°C Fire Rated Cable functions the same as 110°C during fire?

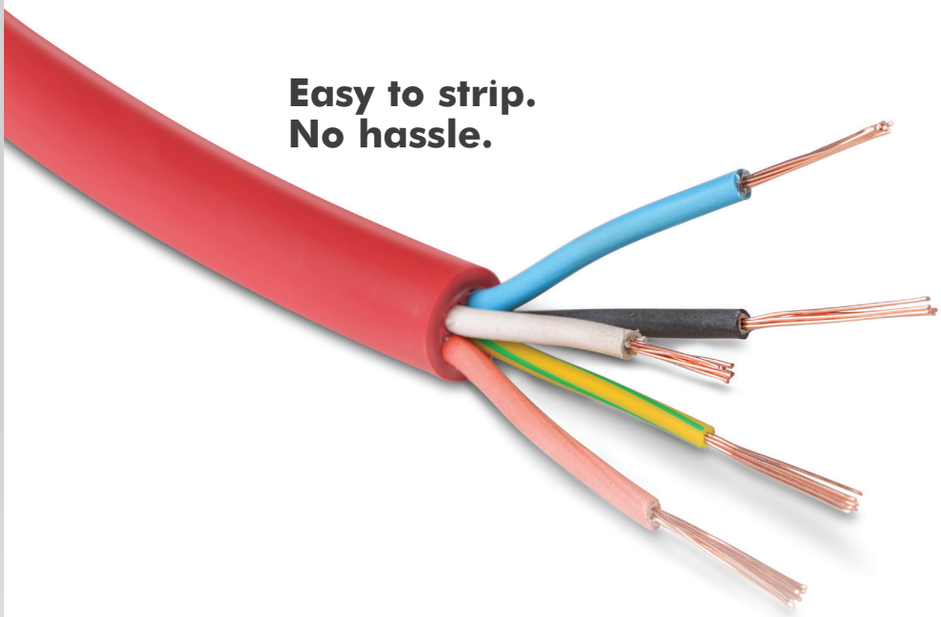

## A cable temperature rating has no direct relationship to its performance during fire.

Alsecure® Ceramifiable 90°C cables were tested up to 1050°C in accordance with Fire Test WS52W requirement and they passed the two hour fire test.

Hence they will perform the same as 110°C to preserve circuit integrity during fire.

- Specifying 90°C fire rated cable compared to 110°C is not only a more cost effective option, reducing your total cost of ownership, but it does so without compromising the effectiveness.
- Ceramifiable cable construction is developed with a layer of polymer insulation that is **easy to strip** and potentially save you cost as it would be quicker to install (especially on a project that has a large number of Multicores where installation can be tedious and time consuming).

## Easy to strip. No hassle.




Emergency exits


Shopping centres


Public high traffic areas


Office building


Tunnel


**Maximum Operating Temp**

# 110°C

**Voltage Rating**

## 0.6/1 kv

### Construction

Single and Multicore flexible copper conductor (Class 5 & 6) X-HF-110 Insulated, HFS-110-TP Sheathed to AS/NZS 5000.1, 110°C, WS52W Fire Rated to AS/NZS 3013

### Standards

AS/NZS 3013
AS/NZS 5001.1
AS/NZS 4507 RHE

### Current Ratings

Refer to AS/NZS 3008 table 6, 12 & 15

### Single Core

| Nominal conductor area | Nominal insulation thickness | Nom. sheath thickness | Nominal overall diameter | Approx. mass | Min. bending radius during installation | Max pulling tension | Product code |
|---|---|---|---|---|---|---|---|
| mm² | mm | mm | mm | kg/100m | mm | kN | |
| 10 | 0.7 | 1.4 | 8.9 | 18 | 40 | 0.22 | PFLX01AA001JBNA |
| 16 | 0.8 | 1.4 | 10.1 | 24 | 61 | 0.34 | PFLX02AA001JBNA |
| 25 | 0.9 | 1.4 | 11.6 | 34 | 70 | 0.53 | PFLX03AA001JBNA |
| 35 | 0.9 | 1.4 | 13.5 | 44 | 81 | 0.72 | PFLX04AA001JBNA |
| 50 | 1.0 | 1.4 | 15.3 | 63 | 92 | 1.08 | PFLX05AA001JBNA |
| 70 | 1.1 | 1.4 | 17.2 | 82 | 103 | 1.50 | PFLX06AA001JBNA |
| 95 | 1.1 | 1.6 | 19.3 | 110 | 116 | 2.00 | PFLX07AA001JBNA |
| 120 | 1.2 | 1.6 | 21.6 | 134 | 130 | 2.50 | PFLE87AA001JBNA |
| 150 | 1.4 | 1.6 | 23.5 | 162 | 141 | 3.10 | PFLE88AA001JBNA |
| 185 | 1.6 | 1.8 | 26.2 | 196 | 236 | 3.80 | PFLE89AA001JBNA |
| 240 | 1.7 | 1.8 | 29.1 | 254 | 262 | 5.10 | PFLE90AA001JBNA |
| 300 | 1.8 | 1.8 | 31.8 | 309 | 286 | 6.20 | PFLE91AA001JBNA |
| 400 | 2.0 | 2.0 | 35.9 | 396 | 323 | 8.10 | PFLE92AA001JBNA |
| 500 | 2.2 | 2.2 | 40.8 | 510 | 367 | 10.60 | PFLE93AA001JBNA |
| 630 | 2.4 | 2.2 | 45.0 | 646 | 405 | 13.70 | PFLE94AA001JBNA |

### Multicore

| Nominal conductor area | Nominal insulation thickness | Nominal sheath thickness | Nominal overall diameter | Approx. mass | Product code |
|---|---|---|---|---|---|
| mm² | mm | mm | mm | kg/100m | |
| | | | 2C+E | | |
| 2.5 | 0.7 | 1.8 | 14.2 | 27.0 | PDGP07AA002JBNA |
| | | | 4C+E | | |
| 10.0 | 0.7 | 1.8 | 21.1 | 79.7 | PDGX01AA004JBNA |
| 16.0 | 0.8 | 1.8 | 23.9 | 110.0 | PDGX02AA004JBNA |
| 25.0 | 1.0 | 1.8 | 27.7 | 174.9 | PDGX03AA004JBNA |
| 35.0 | 1.0 | 1.8 | 31.5 | 230.4 | PDGX04AA004JBNA |
| 50.0 | 1.0 | 2.0 | 35.9 | 312.2 | PDGX05AA004JBNA |


Halogen free | Low smoke | Operating temp 110°C | High flexibility | Flame retardant | Chemical resistance

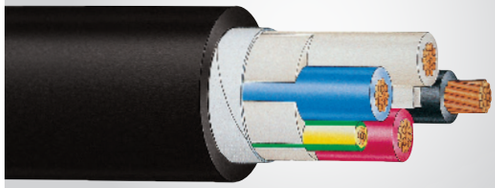
Alsecure INFIT Ceramifiable®
is made to order as per project requirement and lead time.
Call us to discuss range and design solutions.

# VERSOLEX®

**OLEX–FLEXS™**

Versolex Single and Multicore power cables are specialised industrial cables developed for the demanding Australian market conditions.
This multipurpose flexible cable has been designed for use in commercial, building, OEM, industrial and mining applications, including switchgear, welding and submersible (up to 500m).
The Versolex range delivers excellent electrical and environmental properties, including resistance to moisture, chemicals and oils. It is more flexible and physically tougher than PVC with the configuration of XLPE insulation combined with TPE (Thermoplastic Elastomer) sheathing.

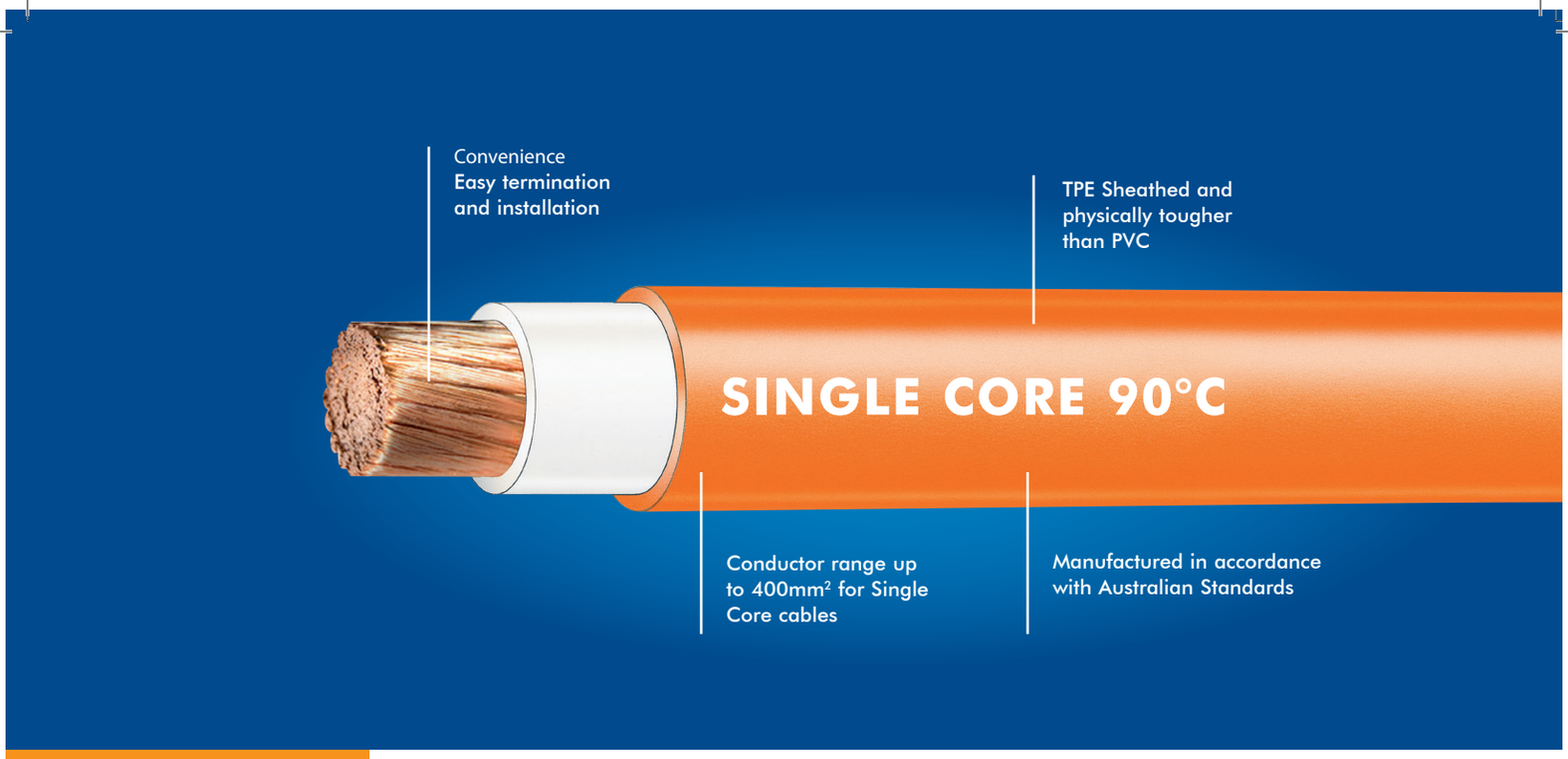
## Did you know that Versolex® 90°C is a cost competitive option compared to 110°C rated power cables?



## For applications that do not require higher operating temperature, Versolex® 90°C would be the best option.

This will potentially save cost of ownership for developers and asset owners whilst reducing energy cost for end-users. Additionally, this will also minimise the impact on the environment and reduce $CO^2$ emissions.

**Applications:** Mains/sub-mains and final circuits connecting to moving equipment and electrical appliances. Suitable for all applications from small equipment to heavy industrial.




**Maximum Operating Temp**

# 90°C

**Voltage Rating**

# 0.6/1 kv

## Construction

Single and Multicore Flexible Copper Conductor (Class 5 & 6)
X-90 insulated

TPE-90 sheathed to AS/NZS 5000.1

## Standards

AS/NZS 5000.1
AS/NZS 1995 (Welding)

## Current Ratings

Refer to AS/NZS 3008 table 5, 8, 11 & 14

## Single Core

| Nominal conductor area | Maximumdiameterofwires | Nominal overall diameter | Approx. mass | Product code |
|---|---|---|---|---|
| mm² | mm | mm | kg/100m | |
| 10 | 0.21 | 8.5 | 13.9 | BDSX01AA001OMNA |
| 16 | 0.21 | 9.8 | 20.0 | BDSX02AA001OMNA |
| 25 | 0.21 | 11.3 | 27.5 | BDSX03AA001OMNA |
| 35 | 0.21 | 12.5 | 36.7 | BDSX04AA001OMNA |
| 50 | 0.31 | 14.3 | 51.3 | BDSX05AA001OMNA |
| 70 | 0.31 | 16.2 | 70.7 | BDSX06AA001OMNA |
| 95 | 0.31 | 18.1 | 91.7 | BDSX07AA001OMNA |
| 120 | 0.51 | 20.6 | 107.8 | BDSE87AA001OMNA |
| 150 | 0.51 | 22.5 | 144.2 | BDSE88AA001OMNA |
| 185 | 0.51 | 24.6 | 174.5 | BDSE89AA001OMNA |
| 240 | 0.51 | 27.7 | 227.8 | BDSE90AA001OMNA |
| 300 | 0.51 | 31.0 | 282.4 | BDSE91AA001OMNA |
| 400 | 0.51 | 35.4 | 369.1 | BDSE92AA001OMNA |

Note: 500-600mm² – Available on Made to Order

## NEW Multicore

| Nominal conductor area | Nominal insulation thickness | Nominal sheath thickness | Nominal overall diameter | Approximate mass (kg/100m) | Product code |
|---|---|---|---|---|---|
| mm² | | mm | mm | kg/100m | |
| 2C+E (Note: 6.0mm² is available on Made to Order) | | | | | |
| 1.5 | 0.7 | 1.8 | 10.3 | 13.5 | PTFR04AA002CXHF |
| 2.5 | 0.7 | 1.8 | 11.3 | 17.5 | PTFR05AA002CXHF |
| 4.0 | 0.7 | 1.8 | 11.9 | 21.0 | PTFR06AA002CXHF |
| 3C+E (Note: 1.5mm², 6mm²-35mm² are available on Made to Order) | | | | | |
| 2.5 | 0.7 | 1.8 | 12.2 | 20.9 | PTFR05AA003CXRJ |
| 4.0 | 0.7 | 1.8 | 13.0 | 26.0 | PTFR06AA003CXRJ |
| 4C+E (Note: 70mm² - 300mm² are available on Made to Order) | | | | | |
| 1.5 | 0.7 | 1.8 | 12.0 | 18.6 | PTFR04AA004CXEM |
| 2.5 | 0.7 | 1.8 | 13.1 | 24.7 | PTFR05AA004CXEM |
| 4.0 | 0.7 | 1.8 | 14.1 | 31.5 | PTFR06AA004CXEM |
| 6.0 | 0.7 | 1.8 | 15.2 | 40.6 | PTFR07AA004CXEM |
| 10.0 | 0.7 | 1.8 | 18.5 | 63.0 | PTFX01AA004CXEM |
| 16.0 | 0.8 | 1.8 | 21.4 | 87.7 | PTFX02AA004CXEM |
| 25.0 | 0.9 | 1.8 | 24.7 | 116.9 | PTFX03AA004CXEM |
| 35.0 | 0.9 | 1.8 | 28.0 | 158.9 | PTFX04AA004CXEM |
| 50.0 | 1.0 | 2.0 | 32.9 | 228.6 | PTFX05AA004CXEM |

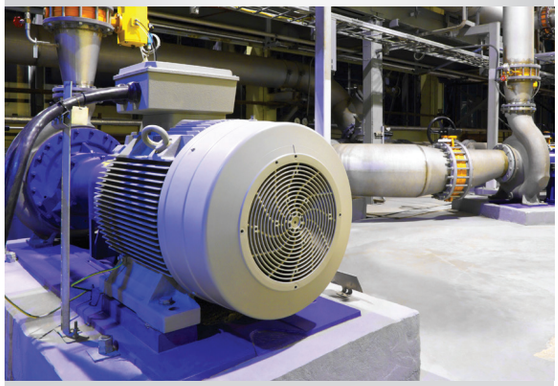
# VAROLEX®

NOW WITH NEW FLEXIBLE CONDUCTOR
EASY TO TERMINATE & INSTALL

Olex VSD Flexible Cables are specially designed to deliver better EMC (Electro Magnetic Compatibility) performance than traditional braided cable. With increased shielding effectiveness, it improves transfer impedance, making it ideal for a variety of applications in manufacturing, tunnels and processing plants including motors, pumps, compressors, conveyor belts and other machinery.

**OLEX–FLEXS™**

## Did you know that VSD Cable with Copper Tape delivers better EMC performance?



## Benefits of Nexans Olex VSD Flexible Cables

### Improves handling and installation

The inclusion of PVC bedding and Nexans quality manufacturing processes assist in maintaining the circular shape of the cable throughout the entire length for consistent handling by electrical installers. In addition, Varolex® VSD Flexibles incorporates a flexible copper conductor for fast and easy terminating.

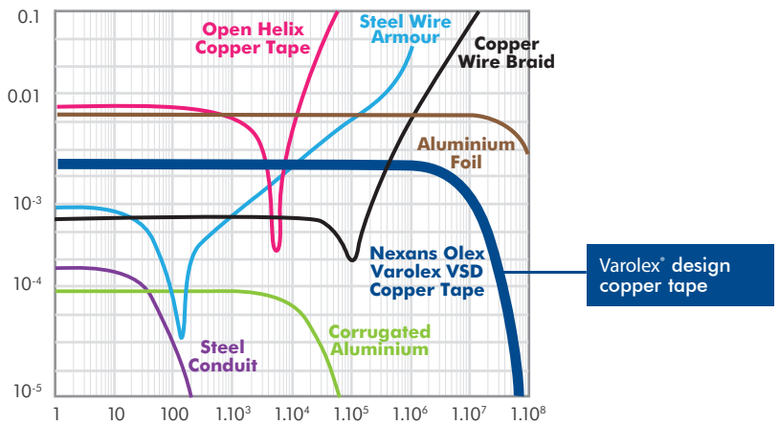
### Longevity

With high voltage breakdown strength insulation and PVC Best practice sheathing compounds, you can trust Varolex® VSD cables to continue to perform.

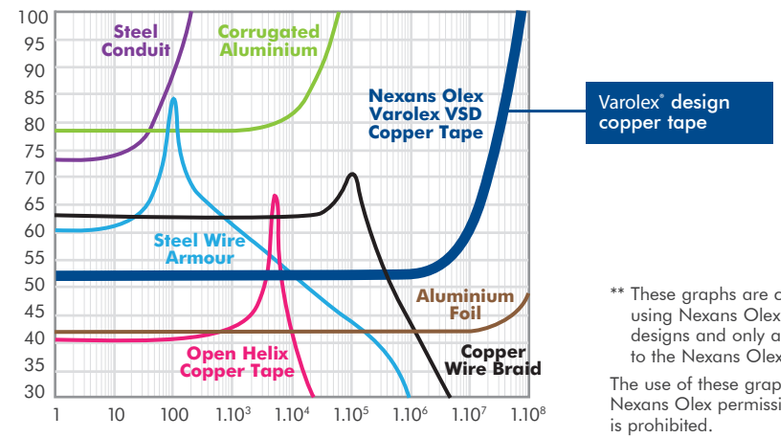
## Superior EMC Performance for more accurate and efficient Variable Speed Drives.

Varolex® unique cable design incorporates 100% coverage copper tape screen, symmetrical split earth, increased earth sizes and low capacitance insulation thus it delivers superior EMC performance through better transfer impedance and shielding effectiveness as shown below.

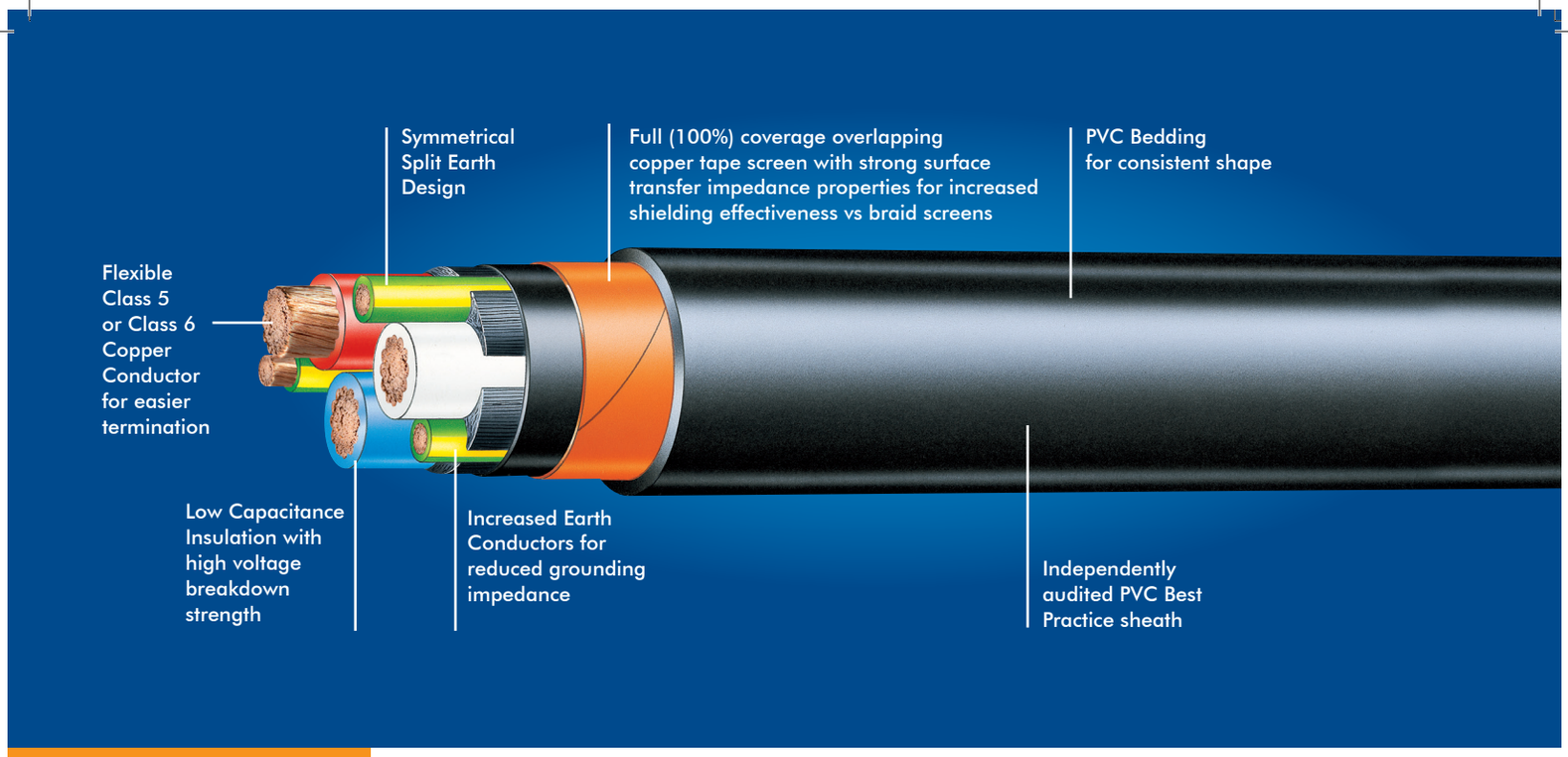
### Screen Performance Transfer Impedance




### Screen Performance Shielding Effectiveness




** These graphs are calculated using Nexans Olex cable designs and only appropriate to the Nexans Olex cable offer.




**Maximum Operating Temp**

# 90°C

**Voltage Rating**

## 0.6/1 kv

### Construction

Multicore flexible conductor (Class 5 & 6)
X-90 insulated
PVC sheathed

### Standards

AS/NZS 5000.1

### Current Ratings

Refer to AS/NZS 3008 table 14

NEW

| Nominal conductor area | Nominal insulation thickness | Combined earth size area | Nominal overall diameter | Approx. mass | Min. Bend Radii(installed) | Product code |
|---|---|---|---|---|---|---|
| $mm^2$ | mm | $mm^2$ | mm | kg/100m | mm | |
| 1.5 | 0.7 | 1.5* | 13.5 | 26 | 162 | FTDR04AA003CXRJ |
| 2.5 | 0.7 | 2.5* | 14.6 | 33 | 175 | FTDR05AA003CXRJ |
| 4.0 | 0.7 | 4.5 | 16.8 | 46 | 202 | FTDR06AA003CXRJ |
| 6.0 | 0.7 | 4.5 | 18.7 | 59 | 224 | FTDR07AA003CXRJ |
| 10.0 | 0.7 | 4.5 | 20.3 | 76 | 243 | FTDX01AA003CXRJ |
| 16.0 | 0.7 | 7.5 | 22.6 | 101 | 271 | FTDX02AA003CXRJ |
| 25.0 | 0.9 | 12.0 | 25.5 | 133 | 306 | FTDX03AA003CXRJ |
| 35.0 | 0.9 | 18.0 | 28.1 | 174 | 338 | FTDX04AA003CXRJ |
| 50.0 | 1.0 | 30.0 | 33.0 | 246 | 396 | FTDX05AA003CXRJ |
| 70.0 | 1.1 | 30.0 | 37.4 | 321 | 449 | FTDX06AA003CXRJ |
| 95.0 | 1.1 | 48.0 | 41.5 | 414 | 498 | FTDX07AA003CXRJ |
| 120.0 | 1.2 | 48.0 | 46.5 | 511 | 558 | FTDE87AA003CXRJ |
| 150.0 | 1.4 | 75.0 | 51.0 | 631 | 612 | FTDE88AA003CXRJ |
| 185.0 | 1.6 | 75.0 | 56.0 | 750 | 672 | FTDE89AA003CXRJ |
| 240.0 | 1.7 | 105.0 | 63.0 | 973 | 752 | FTDE90AA003CXRJ |
| 300.0 | 1.8 | 150.0 | 69.0 | 1207 | 827 | FTDE91AA003CXRJ |

Note: *Split earth not feasible, therefore a single earth conductor is utilised.


High flexibility


Electromagnetic compatibility


Operating temperature



Mains power supply

Versolex®/ Envirolex® Flexible Cable

Variable Speed Drive

Varolex® VSD Cable

Motor

**Varolex® Flexible Conductor is made to order as per project requirement and lead time.**

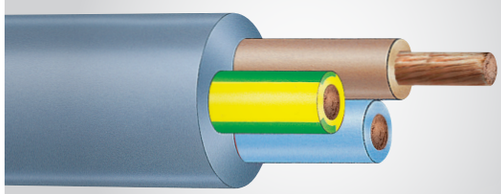
Call us to discuss range and design solutions.

# POWERLEX®

Powerlex® flexible cords and cables are versatile and can be used in a variety of applications including domestic, industrial, and commercial environments. The range consists of Ordinary Duty and Heavy Duty cables that have been designed to meet AS/NZS 3191. Made with PVC insulation and PVC sheath, under PVC Best Practice manufacturing processes and will contribute to your Green Star Rating. It can be ordered in one long length rather than connecting multiple shorter lengths for ease of handling at job sites.

**OLEX–FLEXS™**

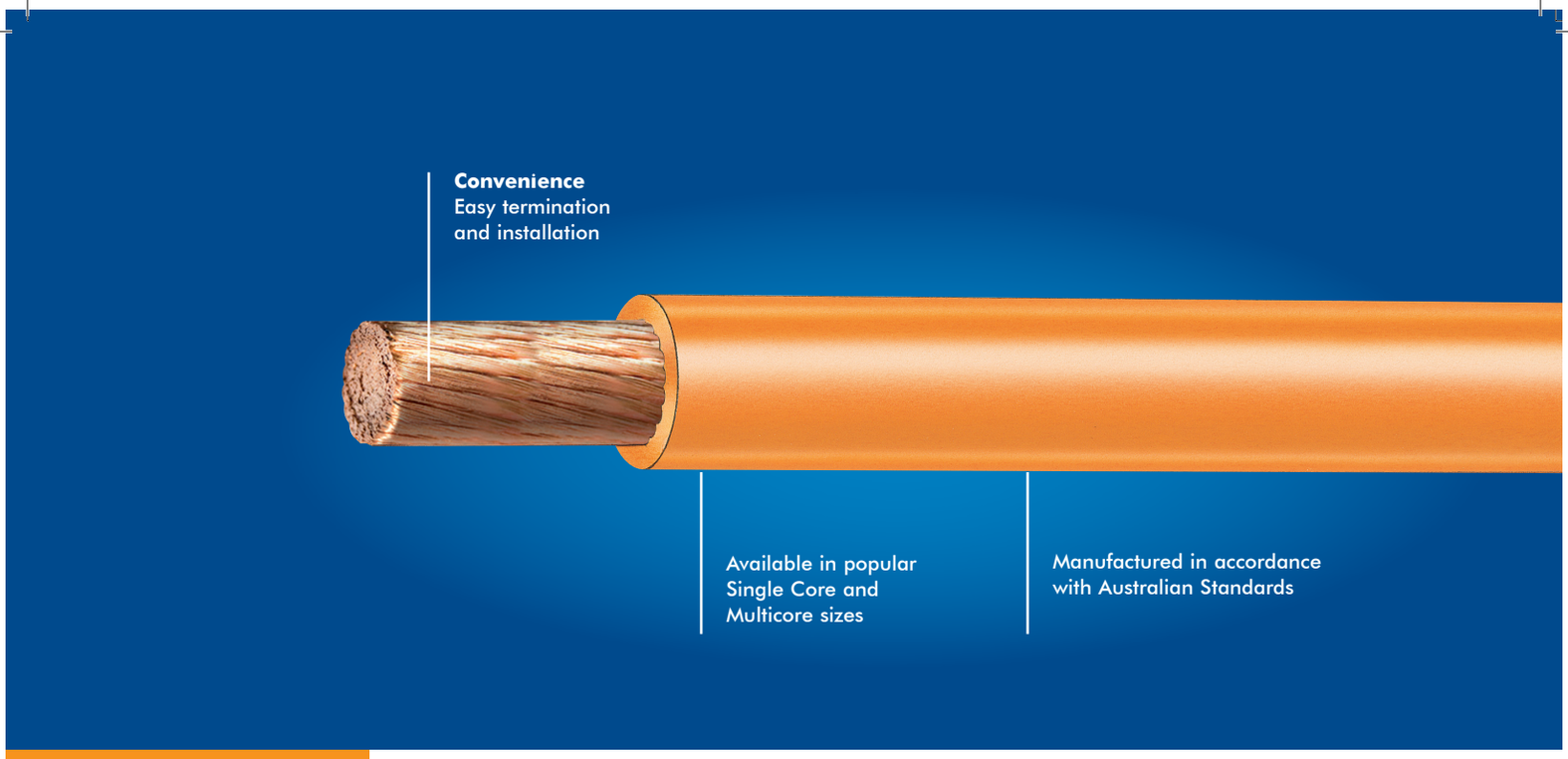
## Have you used 'stiff' flexible cords? Here is a range of really flexible 'Flexible Cords'.



## Whether at home or at work, Powerlex® flexible cords give you flexibility without compromising performance.

**Heavy Duty Powerlex®** cables comply with AS/NZS 3012 requirements for construction and demolition sites.

These cables give you resistance to corkscrewing (pig-tailing) often seen with flexible cable that are hard wound after the job is done. The tough outer sheath reduces damage to the cable due to cuts and abrasions during operation.




### Maximum Operating Temp

# 60°C

### Voltage Rating

**Ordinary duty**
**250/440V**

**Heavy duty**
**0.6/1 kv**

### Construction

Flexible copper conductors (Class 5),
PVC V-90 insulated, PVC sheathed Heavy Duty and Ordinary Duty flexible cords

Manufactured to PVC Best Practice Guidelines

### Standards

AS/NZS 3191

AS/NZS 3012
(Heavy Duty range only)

AS/NZS 60227
(Ordinary Duty range only)

### Current Ratings

Refer to AS/NZS 3008 table 4,7,16

## Heavy Duty

| Nominal conductor area | Maximum diameter of wires | Nominal overall diameter | Approx.mass | Product code |
|---|---|---|---|---|
| $mm^2$ | mm | mm | kg/100m | |
| Single Core 0.6/1kV – V-90 Insulated, Flexible Cord | | | | |
| 0.75 | 0.21 | 2.7 | 1.3 | BAAR02AA001 |
| 1.00 | 0.21 | 2.9 | 1.6 | BAAR03AA001 |
| 1.50 | 0.21 | 3.2 | 2.1 | BAAR04AA001 |
| 2.50 | 0.21 | 3.8 | 3.3 | BAAR05AA001 |
| 2C+E | | | | |
| 1.00 | 0.21 | 9.0 | 11.0 | EBGR03AA003 |
| 1.50 | 0.21 | 9.9 | 14.0 | EBGR04AA003 |
| 2.50 | 0.21 | 11.7 | 21.0 | EBGR05AA003 |
| 3C+E | | | | |
| 1.50 | 0.21 | 10.9 | 18.0 | GBGR04AA004 |
| 2.50 | 0.21 | 12.9 | 25.0 | GBGR05AA004 |

## Ordinary Duty

| Nominal conductor area | Maximum diameter of wires | Nominal overall diameter | Approx.mass | Product code |
|---|---|---|---|---|
| $mm^2$ | mm | mm | kg/100m | |
| 2C | | | | |
| 0.75 | 0.21 | 6.2 | 5.6 | CAHR02AA002 |
| 1.00 | 0.21 | 6.6 | 6.4 | CAHR03AA002 |
| 1.50 | 0.21 | 7.5 | 8.7 | CAHR04AA002 |
| 2.50 | 0.21 | 9.2 | 13.0 | CAHR05AA002 |
| 2C+E | | | | |
| 0.75 | 0.21 | 6.6 | 6.5 | EAHR02AA003 |
| 1.00 | 0.21 | 6.9 | 7.6 | EAHR03AA003 |
| 1.50 | 0.21 | 8.1 | 11.0 | EAHR04AA003 |
| 2.50 | 0.21 | 9.9 | 17.0 | EAHR05AA003 |
| 4.00 | 0.31 | 11.2 | 23.0 | EAHR06AA003 |
| 3C+E | | | | |
| 0.75 | 0.21 | 7.2 | 7.9 | GAHR02AA004 |
| 1.00 | 0.21 | 7.8 | 9.5 | GAHR03AA004 |
| 1.50 | 0.21 | 9.1 | 13.0 | GAHR04AA004 |
| 2.50 | 0.21 | 10.9 | 20.0 | GAHR05AA004 |
| 4.00 | 0.31 | 12.3 | 28.0 | GAHR06AA004 |
| 4C+E | | | | |
| 1.00 | 0.21 | 8.5 | 10.0 | APAR03AA005 |
| 1.50 | 0.21 | 10.1 | 14.0 | APAR04AA005 |
| 2.50 | 0.21 | 12.1 | 22.0 | APAR05AA005 |
| 4.00 | 0.31 | 13.9 | 31.0 | APAR06AA005 |

High flexibility

BEST PRACTICE PVC MANUFACTURED CABLES

# Trusted by Australians for over 75 Years

Nexans Olex is Australia's leading cable manufacturer with over 75 years of success in servicing the Australian markets.

With a long standing reputation and excellence in delivering world-class cable design, engineering solutions and manufacturing excellency, Nexans Olex cables meet and exceed the relevant Australian and International Standards. With a rich history at its core, Nexans Olex draws on global parentage to lead the electrical industry through technical innovation, quality and industry stewardship.

Nexans Olex specialises in delivering cables and cabling solutions to major industries including Building and Construction, Energy Resources, Infrastructure, Renewable Energy and Electricity Supply Industry (ESI).

**WE DELIVER THE BEST SOLUTIONS TO SUPPORT YOUR PROJECT NEEDS**

**Call 1300 CABLES or visit www.nexans.com.au**

Date printed 18-10-17

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