

VAROLEX® FLEXIBLE VSD

CU VAROLEX-FLEX 3X 4+4.5SE

Contact

Sales and Customer Solutions
sales.nz@nexans.com

Nexans Ref.: FTDR06AA003CXRJ

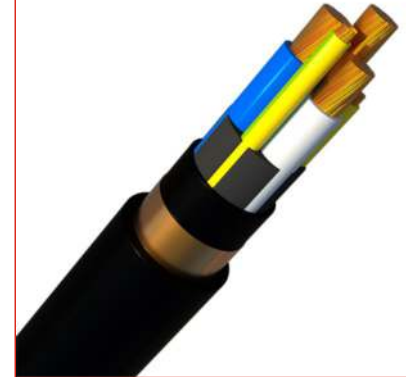
Country Ref.: 1023

3C + E flexible copper conductor, 0.6/1kV X-90 insulated, PVC bedded, copper tape screened, PVC sheathed to AS/NZS 5000.1, 90°C

DESCRIPTION

- Intended for fixed variable speed drive applications
- 0.6/1kV X-90 insulated,
- 3 core+3 earths,
- PVC bedded,
- Copper tape screened,
- PVC sheathed to AS/NZS 5000.1,
- Class 5 and 6 flexible conductor

*For 2.5 mm², split earth not feasible, therefore a single earth conductor is utilised.



STANDARDS

National AS/NZS 5000.1



Conductor flexibility
Class 5



Rated Voltage U₀/U (Um)
0.6/1 kV



Maximum operating temperature
90 °C

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Generated 25/01/22 www.nexans.co.nz Page 1 / 2

CHARACTERISTICS

Construction characteristics

Type of conductor	Stranded copper
Conductor flexibility	Class 5
Conductor material	Copper
Conductor shape	Circular
Insulation	X-90
With smaller neutral conductor	No
With Green/Yellow core	Yes
Screen	Copper tape
Material of bedding	PVC filler
Outer sheath	PVC

Dimensional characteristics

Conductor cross-section	4 mm ²
Nominal insulation thickness	0.7 mm
Combined earth size section	4.5 mm ²
Nominal overall diameter	16.8 mm
Approximate weight	46.0 kg/100m
Number of earth cores	3
Diameter over screen	13.2 mm
Neutral conductor section (when smaller)	- mm ²
Number of cores	3

Electrical characteristics

Capacitance (All Main Cores - Screen)	0.277 µF / km
Capacitance (One Main Core - Other & Screen)	0.153 µF / km
Capacitance 3 phase operating	0.185 µF / km
Conductor AC resistance at 50 Hz	6.31 Ohm/km
Insulation resistance at 20°C	770 MOhm.km
Max. DC resistance of the conductor at 20°C	4.95 Ohm/km
Rated Voltage U _o /U (U _m)	0.6/1 kV

Usage characteristics

Maximum operating temperature	90 °C
-------------------------------	-------