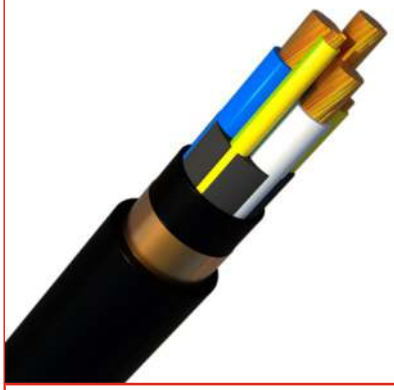
VAROLEX® FLEXIBLE VSD

CU VAROLEX-FLEX 3X 70^+30SE

Contact
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Nexans Ref.: FTDX06AA003CXRJ
Country Ref.: 1289

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 Uo/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.

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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	70 mm²
Nominal insulation thickness	1.1 mm
Combined earth size section	30 mm²
Nominal overall diameter	35.8 mm
Approximate weight	321.0 kg/100m
Number of earth cores	3
Diameter over screen	31.7 mm
Neutral conductor section (when smaller)	- mm²
Number of cores	3
Electrical characteristics	
Capacitance (All Main Cores - Screen)	0.642 µF / km
Capacitance (One Main Core - Other & Screen)	0.355 µF / km
Capacitance 3 phase operating	0.428 µF / km
Conductor AC resistance at 50 Hz	0.348 Ohm/km
Insulation resistance at 20°C	340 MOhm.km
Max. DC resistance of the conductor at 20°C	0.272 Ohm/km
Rated Voltage Uo/U (Um)	0.6/1 kV
Usage characteristics	
Maximum operating temperature	90 °C

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