

VAROLEX® VSD 3C+3E 90°C - Flexible for Fixed Application

CU VAROLEX-FLEX 3X95+48SE

Contact

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3C + 3E 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 1.5mm² & 2.5 mm², split earth not feasible, therefore a single earth conductor is utilised.



STANDARDS

National AS/NZS 1125; AS/NZS 5000.1



Rated Voltage U_o/U (U_m)
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

Conductor material	Copper
Insulation	X-90
Material of bedding	PVC filler
Outer sheath	PVC
Screen	Copper tape
Type of conductor	Stranded copper

Dimensional characteristics

Approximate weight	400.0 kg/100m
Combined earth size section	48 mm ²
Conductor cross-section	95 mm ²
Diameter over screen	35.8 mm
Nominal insulation thickness	1.1 mm
Nominal overall diameter	40.3 mm
Number of cores	3
Number of earth cores	3

Electrical characteristics

Capacitance (All Main Cores - Screen)	0.7 µF / km
Capacitance (One Main Core - Other & Screen)	0.387 µF / km
Capacitance 3 phase operating	0.467 µF / km
Conductor AC resistance at 50 Hz	0.264 Ohm/km
Insulation resistance at 20°C	300 MOhm.km
Max. DC resistance of the conductor at 20°C	0.206 Ohm/km
Rated Voltage U ₀ /U (U _m)	0.6/1 kV

Usage characteristics

Maximum operating temperature	90 °C
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