

VERSOLEX® Flexible Single Core 90°C

CU VERSOLEX 1x 95

Contact

Sales and Customer Solutions
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Nexans Ref.: BDSX07HE001CXNA

Country Ref.: 8513

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DESCRIPTION

- 0.6/1kV cables,
- Flexible X-HF-90 (XLPE) insulated
- TPE sheathed to AS/NZS5000.1 (Power),
- Copper conductors (Class 5), 90°C.
- Submersible up to 500m



STANDARDS

National AS/NZS 1125; AS/
NZS 3808; AS/NZS 5000.1



Rated Voltage Uo/U (Um)
0.6/1 kV



Cable flexibility
Flexible



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
Type of conductor	Circular, Flexible, Class 5
Colour	Black
Insulation	X-HF-90
Outer sheath	TPE
With Green/Yellow core	No
With smaller neutral conductor	No

Dimensional characteristics

Conductor cross-section	95 mm ²
Maximum diameter of wires	0.51 mm
Nominal overall diameter	18.9 mm
Approximate weight	104.0 kg/100m
Cable length	- m
Neutral conductor section (when smaller)	- mm ²
Number of cores	1

Electrical characteristics

Conductor AC resistance at 50 Hz	- Ohm/km
Inductive reactance at 50Hz - flat touching	- Ohm/km
Inductive reactance at 50Hz - trefoil	- Ohm/km
Insulation resistance at 20°C	- MOhm.km
Rated Voltage U ₀ /U (U _m)	0.6/1 kV
Max. DC resistance of the conductor at 20°C	0.206 Ohm/km

Mechanical characteristics

Cable flexibility	Flexible
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Usage characteristics

Bending factor when installed	D>25mm: 6 (xD); D<25mm: 4 (xD)
Maximum operating temperature	90 °C

CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - SINGLE CORE CU VERSOLEX 90°C

Copper conductor - Circular Flexible stranded conductor Insulation X-HF-90 - Max. Conductor Temperature 90C

Conductor cross-section [mm ²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
95	361	298	273	401	295	295	-

 Unenclosed spaced from surface
  Unenclosed touching
  Enclosed conduit in air
 Buried direct
  Buried in multi-way duct
  Buried in single-way duct
 Cable surrounded by thermal insulation, unenclosed

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CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - SINGLE CORE CU VERSOLEX 90°C

Copper conductor - Circular Flexible stranded conductor Insulation X-HF-90 Max. Conductor Temperature 90C

Conductor cross-section [mm²]							
	Cu	Cu	Cu	Cu	Cu	Cu	Cu
95	319	298	235	335	254	254	-
 Unenclosed spaced from surface	 Unenclosed touching	 Enclosed conduit in air					
 Buried direct	 Buried in multi-way duct		 Buried in single-way duct				
 Cable surrounded by thermal insulation, unenclosed							