

# AXCLTV-O TT 24 kV

AXCLTV-O TT 24 kV 3x240/25

Nexans Ref.: 21083498

AXCLTV-O TT is longitudinally and radial watertight, steel armoured cable for fixed installation in water, ground and air. The cable has 3 tubes for future installation of optical cable.

## DESCRIPTION

AXCLTV-O TT is a longitudinally and radial watertight, halogen free, XLPE-insulated, CCA-wire screened, steel wire armoured and PE-sheathed three core medium voltage cable with circular aluminium conductors. The cable has a CCA-wire screen together with aluminium foil. The screen has continuous contact with the foil. The cable is designed according to HD 620 in appl. parts. The conductor meets the requirements for IEC 60228 class 2. The sheath is marked type/manufacturer/year+month/metre marking. AXCLTV-O TT is not flame retardant.

## Lifemark(TM) recycling marking

The external surface of the outer sheath is embossed with a text which specifies all components in the polymers and prepares the cable for future recycling.

## Standards

AXCLTV-O TT is in applicable parts manufactured and tested according to SS 424 14 16 (HD 620.S1-6M). The cable can also be loaded according to the same standard.

## Quality and environmental management system

Certified according to ISO 9001, IRIS, ISO/TS 16949 and ISO 14001.



# Lifemark™

## STANDARDS

International HD 620 S2 2010  
10M



Halogen free  
Yes



Ope. volt.  
24 kV



Minimum installation  
temperature  
-20 °C



Maximum operating  
temperature  
90 °C



Water proof  
Longitudinal & radial



Bending factor installed  
10 (xD)



Bending factor when  
laying  
12 (xD)

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	Aluminum
Conductor shape	Round, stranded
Insulation	XLPE (chemical)
Outer sheath	LLDPE
Colour	Black
Halogen free	Yes
Inner sheath	LLDPE
Screen	Concentric copper

### Dimensional characteristics

Number of cores	3
Conductor cross-section	240 mm <sup>2</sup>
Conductor diameter	18.2 mm
Diameter over insulation	29.6 mm
Screen section	25 mm <sup>2</sup>
Nominal outer diameter	92.0 mm
Approximate weight	1020.0 kg/100m
Average insulation thickness	5.5 mm
Sector-shaped height	- mm
Tube diameter	12 mm

### Electrical characteristics

Nominal phase capacitance	0.3 µF / km
Earth leakage current at 20 kV	3.26 A/km
Max. DC resistance of the conductor at 20°C	0.125 Ohm/km
Nominal inductance	0.3 mH/km
Operating voltage	24 kV
Resistance of the screen	- Ohm/km

### Mechanical characteristics

Permissible pulling forces	0.03 kN/mm <sup>2</sup>
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### Usage characteristics

Minimum installation temperature	-20 °C
Maximum operating temperature	90 °C
Short-circuit max. conductor temperature	250 °C
Water proof	Longitudinal & radial
Bending factor when installed	10 (xD)
Bending factor when laying	12 (xD)
Packaging	Drum

## SELLING AND DELIVERY INFORMATION

Axclight-O TT is delivered on drums. The drum is marked with manufacturer, type of cable and length. The ends of the cable are sealed.

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