Axclight® - cables for reliable networks and profitable contracts.

The Nexans Axclight family is a comprehensive range of 3-core cables for medium voltage distribution. Modern, durable 3-core Axclight cables have a long service life, meeting the needs of network owners and contractors. The cables are available in a number of versions.

Axclight TT
Completely water blocked and circular in shape for a long service life and easy ploughing.

Axclight H
An overhead medium voltage cable with separate supporting strand to improve reliability of supply in the countryside where ground conditions mean that burial is difficult and costly.

Axclight O
Contains tubes for blowing optical cables – applications include remote meter reading, control systems and broadband.

Watch the video.

Quick and safe stripping.
Watch the video about our new medium voltage cable.

Nexans

A global expert, close to you

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www.nexans.ee www.nexans.lv www.nexans.lt

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Nexans

Axclight® TT

Made for the Nordic climate

Completely water blocked and circular in shape for a long service life and easy ploughing.

Our Nordic climate is a real challenge for cables buried underground. Not only do they have to cope with temperatures as low as -20°C – they must also be able to withstand the tough Nordic terrain. We know this at Nexans. That is why we make cables for power distribution that are compatible with ploughing even in difficult ground conditions. To prove that it works, we recently carried out sheath tests covering 2.5 million metres in areas with difficult ground conditions. Our new medium voltage cable ***Axclight TT*** *was developed with all this in mind.*

The new Axclight TT is completely water blocked and circular in shape. It is completely water blocked in order to exclude moisture, prolonging the service life of the cable. The cable has a circular structure with filler strands, making it easier to plough and press, and making it highly resistant to impact and indentation. Meanwhile, it is easy to strip and bend. What this means is shorter installation time.

Quick and safe stripping.

Measure the length of cable you want to strip. Use a knife to make a guide cut all around the sheath. Then make a guide cut lengthwise along the section you are stripping. At the end of the cable, cut through the aluminium foil about 10 cm. Apply an MB1 sheath tool and open the sheath. At temperatures below 5°C, heat the sheath with a propane heater.

About Axclight® TT

- ✓ Circular structure for easy ploughing and pressing.
- ✓ Completely water blocked for long service life.
- ✓ HDPE sheath to minimise the risk of sheath damage.
- ✓ Easy to strip.
- ✓ Concentric screen with corrosion protection to minimise the risk of screen damage.
- ✓ Made in Sweden.

Axclight® TT 12-24 kV.

The cable is longitudinally and radially water blocked and designed for fixed installation outdoors in air, ground and water. It is a tough cable that is completely water blocked and easy to bend so it is particularly suitable for ploughing.

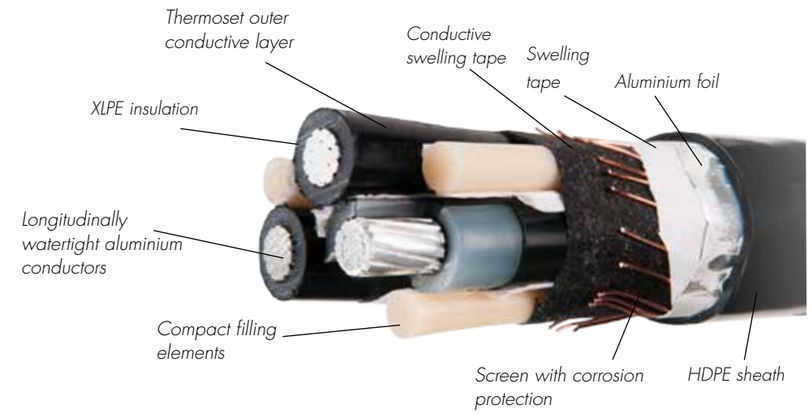
Description
The Axclight TT is longitudinally and radially water blocked, halogen free, XLPE insulated and CCA screened (aluminium wire with a layer of copper to protect against corrosion). The concentric screen and the aluminium foil are in longitudinal contact. The cable is a 3-core medium voltage cable with circular aluminium conductors and an HDPE sheath. The cable is HD 620 S2 2010/10M compliant. The number of wires and the resistance are IEC 60228 class 2 compliant. Diffusion barrier consisting of an uninterrupted aluminium foil.

Standards
International: HD 620 S2 2010/10M

CCA screen
The cable has a Copper Clad Aluminium screen.
The braiding must not be mixed with copper waste.

Lifemark(TM) recycling marking
Durable marking on the outer sheath of the cable. The marking states the polymers used and instructions for eventual recycling of the cable.

Lifemark™



Nexans ref	Conductor, cross section mm²	Cable Weight kg/km	Outer diameter mm	Bending radius mm
12 kV				
21090098	3x25/16	1140	39,0	390
21090198	3x50/16	1486	43,0	430
21090298	3x70/16	1763	47,0	470
21090398	3x95/25	2150	51,1	511
21090498	3x120/25	2266	55,0	550
21090598	3x150/25	2830	57,6	576
21090698	3x185/35	3311	62,0	620
21090798	3x240/35	3998	66,6	666

Nexans ref	Conductor, cross section mm²	Cable Weight kg/km	Outer diameter mm	Bending radius mm
24 kV				
21090998	3x25/16	1600	47,0	470
21091098	3x50/16	2020	52,5	525
21091198	3x70/16	2250	56,0	560
21091298	3x95/25	2770	60,1	601
21091398	3x120/25	3020	64,0	640
21091498	3x150/25	3520	66,5	665
21091598	3x185/35	3820	71,0	710
21091698	3x240/35	4780	75,9	759