

AXQJ, IFSI AI, AXCMK-HF Power Cable - 25mm² to 300mm²



Description

Power cable suitable for fixed installation in a dry and damp environment, on or under plaster, in cable trays, walls and concrete. Not intended for direct burial in ground or water. For outdoor applications the cable can be laid in cable ducting, but additional measures need to be taken to prevent water penetration into the cable ducting.

Suitable for supply systems in an emergency. Suitable for application in all situations where people and materials need to be protected in case of fire.

Recommended for public buildings, for industrial complexes, electric power plants, transformer stations, municipal facilities, hotels, shopping malls, hospitals, schools, airports, underground railways and similar. Concentric $conductor\,serves\,as\,electromagnetic\,screen, which\,could\,also\,be\,applied\,as$ neutral conductor.

Key Features



Voltage Rating 600/1000 Volts



Minimum Bending Radius Single Core 15 x Overall Diameter Multicore 12 x Overall Diameter



Flame Retardancy BS EN/IEC 60332-3-10



CPR Compliant CPR Class: Dca

Core Colours

According to HD 308 S2

Outer Sheath Colour: Black (Other colours available on request)









Standards

- SFS 5546
- IEC/EN 60754-1/2
- IEC 61034-1
- BS EN/IEC 60332-1-2
- IEC 60228
- BS EN / IEC 60332-3-24 (cat C)
- SS 424 14 18
- HD 604 S1, P. 5I
- IEC 60502-1

Construction

- Conductor: Class 2 Aluminimum conductors according to EN 60228
- Insulation: Cross Linked polyethylene (XLPE)
- Bedding: Extruded elastomere or plastomere compound or plastic tape
- Concentric Conductor: Copper wires with counter helix of copper tape
- Outer Sheath: Halogen Free Fire Retardant (HFFR)

QA Lab

Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.







CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

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 $\begin{tabular}{ll} UK and Ireland Sales $\underline{$sales@clevelandcable.com}$ & | & International Sales $\underline{$international@clevelandcable.com}$ & | & UK $\underline{01642\,241\,133}$ & |$

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AXQJ, IFSI AI, AXCMK-HF Power Cable - 25mm² to 300mm² - Dimensions

| Reference | Conductor Size (mm2) | No Of Cores | Max Resistance at 20°c (∄km) | Outside Diameter(mm) | Weight(Kg/Km) | Current Capacity in Air |
|-----------|----------------------|-------------|---------------------------------|----------------------|---------------|-------------------------|
| AXQJ4X16 | 16 | 4 | 1.940/1.830 | 21.3 | 495 | 0 |
| AXQJ3X25 | 25 | 3 | 1.200/1.830 | 23.4 | 591 | 113 |
| AXQJ4X25 | 25 | 4 | 1.200/1.830 | 25.4 | 665 | 113 |
| AXQJ3X35 | 35 | 3 | 0.868/1.830 | 25.8 | 707 | 136 |
| AXQJ4X35 | 35 | 4 | 0.868/1.830 | 25.9 | 802 | 136 |
| AXQJ3X50 | 50 | 3 | 0.641/1.200 | 27.8 | 852 | 159 |
| AXQJ4X50 | 50 | 4 | 0.641/1.200 | 29.1 | 1092 | 159 |
| AXQJ3X70 | 70 | 3 | 0.443/0.641 | 30.0 | 1162 | 197 |
| AXQJ4X70 | 70 | 4 | 0.443/0.868 | 33.7 | 1445 | 197 |
| AXQJ3X95 | 95 | 3 | 0.320/0.641 | 33.1 | 1508 | 236 |
| AXQJ4X95 | 95 | 4 | 0.320/0.641 | 37.5 | 1989 | 236 |
| AXQJ3X120 | 120 | 3 | 0.253/0.443 | 36.4 | 1918 | 269 |
| AXQJ4X120 | 120 | 4 | 0.253/0.443 | 41.4 | 2383 | 269 |
| AXQJ3X150 | 150 | 3 | 0.206/0.443 | 40.3 | 2254 | 302 |
| AXQJ4X150 | 150 | 4 | 0.206/0.443 | 45.7 | 2838 | 302 |
| AXQJ3X185 | 185 | 3 | 0.164/0.320 | 44.5 | 2840 | 342 |
| AXQJ4X185 | 185 | 4 | 0.164/0.320 | 50.1 | 3532 | 342 |
| AXQJ3X240 | 240 | 3 | 0.125/0.253 | 50.1 | 3610 | 397 |
| AXQJ4X240 | 240 | 4 | 0.125/0.253 | 56.5 | 4697 | 397 |
| AXQJ3X300 | 300 | 3 | 0.100/0.206 | 54.7 | 4404 | 454 |
| AXQJ4X300 | 300 | 4 | 0.100/0.206 | 61.7 | 5518 | 454 |

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