

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



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



CPR Compliant
CPR Class: Dca



Installation Guidelines
Should not be installed at temperatures below -15°C



Voltage Rating
600/1000 Volts



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



Flame Retardancy
Flame retardant: IEC 60332-1-2, Fire
retardant: IEC 60332-3-24

Construction

- **Conductor:** Class 2 Aluminium 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)
- **Sheath Colour:** Black

Standards

- 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
- SFS 5546
- IEC 60502-1
- HD 604 S1, P. 5I

Core Colours

According to HD 308 S2

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

- 3-core: Green Yellow Brown Blue
- 3-core: Black Brown Grey
- 4-core: Green Yellow Brown Black Grey
- 4-core: Blue Brown Black Grey
- 5-core: Green Yellow Blue Brown Black Grey

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

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

For more information contact: 01642 241 133

