

IFSI-EMC,FXQJ-EMC Power Cable - 1.5mm² to 240mm²



Description

IFSI-EMC / FXQJ-EMC Power Cable | EMC Shielded | Halogen Free

Key Features



Voltage Rating
600/1000 Volts



Minimum Bending Radius
12 x Overall Diameter



Temperature Limits
Fixed -20°C to +90°C



CPR Compliant
Yes

Core Colours

According to HD 308 S2

- 2-core: Brown Blue
- 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

Standards

- HD 604 S1-5D
- IEC 60228
- IEC 60502-1

Construction

- **Conductor:** Class 1 or 2 Copper
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Bedding:** Halogen-Free plastic tape
- **Concentric Conductor:** Copper foil tape and Copper Wires with counter helix of Copper Tape
- **Sheath:** Halogen free thermoplastic polymer compound
- **Sheath Colour:** Black

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

ecovadis

IFSI-EMC,FXQJ-EMC Power Cable - 1.5mm² to 240mm² - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	Max Resistance at 20°C (Ω/km)	Outside Diameter(mm)	Weight(Kg/Km)	Current Capacity in Air
IFSIEMC2X1/5	1.5	2	12.1	11.5	123	25
IFSIEMC3X1/5	1.5	3	12.1	12.0	146	25
IFSIEMC4X1/5	1.5	4	12.1	12.7	170	25
IFSIEMC5X1/5	1.5	5	12.1	13.5	194	25
IFSIEMC2X2/5	2.5	2	7.41	12.3	160	33
IFSIEMC3X2/5	2.5	3	7.41	12.8	192	33
IFSIEMC4X2/5	2.5	4	7.41	13.6	228	33
IFSIEMC5X2/5	2.5	5	7.41	14.5	263	33
IFSIEMC2X4	4	2	4.61	13.3	212	43
IFSIEMC3X4	4	3	4.61	13.9	261	43
IFSIEMC4X4	4	4	4.61	14.9	313	43
IFSIEMC5X4	4	5	4.61	15.9	364	43
IFSIEMC4X6	4	6	3.08	16.2	422	54
IFSIEMC4X10	4	10	1.83	118.9	662	75
IFSIEMC4X16	4	16	1.15	21.4	979	100
IFSIEMC2X6	6	2	3.08	14.4	279	54
IFSIEMC3X6	6	3	3.08	15.1	349	54
IFSIEMC5X6	6	5	3.08	17.3	495	54
IFSIEMC2X10	10	2	1.83	16.8	435	75
IFSIEMC3X10	10	3	1.83	17.6	546	75
IFSIEMC5X10	10	5	1.83	20.3	779	75
IFSIEMC2X16	16	2	1.15	18.9	629	100
IFSIEMC3X16	16	3	1.15	19.8	801	100
IFSIEMC5X16	16	5	1.15	23.0	1157	100
IFSIEMC2X25	25	2	0.727	21.9	841	136
IFSIEMC3X25	25	3	0.727	23.1	1108	136
IFSIEMC4X25	25	4	0.727	25.0	1381	136
IFSIEMC2X35	35	2	0.524	24.1	1057	165
IFSIEMC3X35	35	3	0.524	25.5	1425	165
IFSIEMC4X35	35	4	0.524	27.7	1800	165
IFSIEMC3X50	50	3	0.387	28.8	1991	201
IFSIEMC4X50	50	4	0.387	31.4	2520	201
IFSIEMC3X70	70	3	0.268	32.5	2717	255
IFSIEMC4X70	70	4	0.268	35.5	3449	255
IFSIEMC3X95	95	3	0.193	37.0	3698	314
IFSIEMC4X95	95	4	0.193	40.5	4686	314
IFSIEMC3X120	120	3	0.153	40.8	4676	364

Reference	Conductor Size (mm ²)	No Of Cores	Max Resistance at 20°C (Ω/km)	Outside Diameter(mm)	Weight(Kg/Km)	Current Capacity in Air
IFSIEMC4X120	120	4	0.153	44.6	5916	364
IFSIEMC3X150	150	3	0.124	44.8	5626	416
IFSIEMC4X150	150	4	0.124	49.0	7172	416
IFSIEMC3X185	185	3	0.0991	50.0	7065	480
IFSIEMC4X185	185	4	0.0991	54.8	8980	480
IFSIEMC3X240	240	3	0.0754	55.4	9006	565
IFSIEMC4X240	240	4	0.0754	60.1	11473	565

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