

1KVXHFAxxxxSHB2

XHFAPOWER Green 0.6/1KV rigid B2ca s1a,d1,a1

DESCRIPTION

The 1KVXHFA armored cables are designed for powering high-power industrial and commercial electrical equipment. Their halogen-free sheaths, CPR B2ca, and IEC 60332-3 compliance make them ideal for industrial sites, nuclear plants, steelworks, chemical facilities, and public infrastructure.



ADVANTAGES

- halogen-free (LSZH)
- CPR: B2ca s1a,d1,a1 multicore
- CPR: B2ca s1,d1,a1 single-core
- UV resistance for Northern Europe conditions
- AD7 Possible intermittent, partial, or total freshwater coverage

AXINDUS
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CONSTRUCTION & TECHNICAL PERFORMANCE

Conductor material	Bare copper
Insulation Material	XLPE
Insulation Identification Method	HD 308 S2
Inner Sheath Material	LSZH
Outer Sheath Material	LSZH
Overall Armor	Double steel tape
Color	Grey
Construction (mm ²)	1 x 300 mm ²

ELECTRICAL CHARACTERISTICS

Service Voltage (V)	600 / 1000 V
Test voltage (V)	3 kV
Linear electrical resistance (Ω/Km)	Compliant with IEC 60228 class 1/2 standard

MECHANICAL CHARACTERISTICS

Bending Radius in Fixed Installation	15 x Ø ext
Bending Radius in Mobile Installation	30 x Ø ext

Updated: 23/09/2026

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MECHANICAL CHARACTERISTICS

Max Permissible Temperature on Core	90°C
Max Short-Circuit Temperature	250°C
IP rating	AD7

ENVIRONMENTAL CHARACTERISTIC

CPR classification	B2ca s1, d1, a1
UV Resistance	Yes
Fixed Use Temperature	-30°C / +70°C
Mobile Use Temperature	-5°C / +70°C
Installation Temperature	0°C
Fire behaviour	IEC 60332-1, IEC 60332-3-24
Fire Behavior Type	Flame retardant IEC 60332-1 Fire retardant IEC 60332-3-24
Halogen-free Standard	IEC 60754-1/-2 IEC 61034-2

ORDER INFORMATION

REFERENCE	CONSTRUCTION	Ø SHEATH NOM (MM)	WEIGHT (KG/KM)
1KVXHFA2X15V	2x1.5	10.1	180
1KVXHFA3G15V	3G1.5	10.6	195
1KVXHFA4G15V	4G1.5	11.2	205
1KVXHFA5G15V	5G1.5	12.2	235
1KVXHFA12G15V	12G1.5	19.5	665
1KVXHFA9G15V	19G1.5	21.9	950
1KVXHFA27G15V	27G1.5	23.5	1230
1KVXHFA2X25V	2x2.5	11.1	220
1KVXHFA3G25V	3G2.5	11.4	240
1KVXHFA4G25V	4G2.5	12.2	280
1KVXHFA5G25V	5G2.5	13.0	325
1KVXHFA7G25V	7G2.5	14.3	435
1KVXHFA12G25V	12G2.5	15.3	700
1KVXHFA19G25V	19G2.5	21.1	980
1KVXHFA27G25V	27G2.5	23.0	1260
1KVXHFA2X6V	2x6	12.1	310
1KVXHFA3G6V	3G6	12.5	357
1KVXHFA4G6V	4G6	13.6	370

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REFERENCE	CONSTRUCTION	Ø SHEATH NOM (MM)	WEIGHT (KG/KM)
1KVXHFA5G6V	5G6	14.9	480
1KVXHFA2X10V	2x10	13.8	350
1KVXHFA3G10V	3G10	15.7	410
1KVXHFA4G10V	4G10	16.9	500
1KVXHFA5G10V	5G10	17.4	650
1KVXHFA2X16V	2x16	15.9	320
1KVXHFA3G16V	3G16	19.2	575
1KVXHFA4G16V	4G16	21.6	1050
1KVXHFA5G16V	5G16	23.7	1275
1KVXHFA1X25MMV	1x25	12.5	425
1KVXHFA2X25MMV	2x25	21.8	990
1KVXHFA3G25MMV	3G25	22.4	1110
1KVXHFA4G25MMV	4G25	25.0	1485
1KVXHFA5G25MMV	5G25	27.4	1885
1KVXHFA1X35V	1x35	13.5	515
1KVXHFA2X35V	2x35	24.0	1260
1KVXHFA3G35V	3G35	27.9	1980
1KVXHFA4G35V	4G35	31.2	2721
1KVXHFA5G35V	5G35	36.0	3845
1KVXHFA1X50V	1x50	14.9	690
1KVXHFA2X50V	2x50	28.4	1490
1KVXHFA3G50V	3G50	32.0	2335
1KVXHFA4G50V	4G50	31.2	2721
1KVXHFA5G50V	5G50	36.0	3845
1KVXHFA1X70V	1x70	17.1	910
1KVXHFA3G70V	3G70	33.3	2985
1KVXHFA4G70V	4G70	38.4	4260
1KVXHFA5G70V	5G70	42.0	5900
1KVXHFA1X95V	1x95	19.6	1250
1KVXHFA3G95V	3G95	39.6	4560
1KVXHFA4G95V	4G95	48.5	6940
1KVXHFA5G95V	5G95	48.5	6940
1KVXHFA1X120V	1x120	21.1	1470
1KVXHFA3G120V	3G120	43.7	5590
1KVXHFA4G120V	4G120	48.1	6970

REFERENCE	CONSTRUCTION	Ø SHEATH NOM (MM)	WEIGHT (KG/KM)
1KVXHFA1X150V	1x150	22.8	1750
1KVXHFA3G150V	3G150	47.3	6590
1KVXHFA4G150V	4G150	52.4	8270
1KVXHFA1X185V	1x185	25.0	2140
1KVXHFA3G185V	3G185	52.2	8050
1KVXHFA4G185V	4G185	57.5	10100
1KVXHFA1X240V	1x240	28.3	2740
1KVXHFA3G240V	3G240	58.8	10410
1KVXHFA4G240V	4G240	65.0	13135
1KVXHFA1X300V	1x300	30.2	3315
1KVXHFA1X400V	1x400	34.0	4215
1KVXHFA1X500V	1x500	40.7	6130
1KVXHFA2X4V	2x4	12.1	310
1KVXHFA3G4V	3G4	12.5	357
1KVXHFA4G4V	4G4	13.6	425
1KVXHFA5G4V	5G4	14.9	480