

1KVXHFA4G10VSHB2

**1000V rigid armored LSZH power cables CPR B2ca 1KVXHFA 4G10 grey**



## DESCRIPTION

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

|                                        |                                                                                                                              |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Product Type                           | XHFAPOWER                                                                                                                    |
| Construction (mm <sup>2</sup> )        | 4 G 10 mm <sup>2</sup>                                                                                                       |
| Conductor material                     | Bare copper                                                                                                                  |
| Conductor cross-section                | 10 mm <sup>2</sup>                                                                                                           |
| Core composition                       | < 4mm <sup>2</sup> : solid conductor IEC 60228 class 1<br>≥ 6mm <sup>2</sup> : flexible stranded conductor IEC 60228 class 2 |
| Insulation Material                    | XLPE                                                                                                                         |
| Insulation Identification Method       | HD 308 S2                                                                                                                    |
| Assembly type                          | Multi conductors                                                                                                             |
| Inner Sheath Material                  | LSZH                                                                                                                         |
| Overall Armor                          | Double steel tape                                                                                                            |
| Outer Sheath Material                  | LSZH                                                                                                                         |
| Color                                  | Green                                                                                                                        |
| Nom. diameter of the outer sheath (mm) | 19.6                                                                                                                         |
| Weight (Kg/Km)                         | 780                                                                                                                          |

## ELECTRICAL CHARACTERISTICS

|                                     |                                |
|-------------------------------------|--------------------------------|
| Service Voltage (V)                 | 600 / 1000 V                   |
| Test voltage (V)                    | 3 kV                           |
| Linear electrical resistance (Ω/Km) | conform to IEC 60228 class 1/2 |

## MECHANICAL CHARACTERISTICS

|                                       |            |
|---------------------------------------|------------|
| Bending Radius in Fixed Installation  | 15 x Ø ext |
| Bending Radius in Mobile Installation | 30 x Ø ext |
| Max Permissible Temperature on Core   | 90°C       |
| Max Short-Circuit Temperature         | 250°C      |
| IP rating                             | AD7        |

## ENVIRONMENTAL CHARACTERISTIC

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| CPR classification    | B2ca s1a, d1, a1                                                   |
| Fire behaviour        | IEC 60332-1, IEC 60332-3-24                                        |
| Fire Behavior Type    | Flame retardant<br>IEC 60332-1<br>Fire retardant<br>IEC 60332-3-24 |
| UV Resistance         | Yes                                                                |
| Fixed Use Temperature | -30°C / +70°C                                                      |

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**ENVIRONMENTAL CHARACTERISTIC**

|                        |                            |
|------------------------|----------------------------|
| Mobile Use Temperature | -5°C / +70°C               |
| Halogen-free Standard  | IEC 60754-1/-2 IEC 61034-2 |

**ADDITIONAL INFORMATION**

|                   |               |
|-------------------|---------------|
| Product Packaging | Drum of 1000m |
|-------------------|---------------|