1KVXHFA3G6VSHB2

# 1000V rigid armored LSZH power cables CPR B2ca 1KVXHFA 3G6 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

Updated: 25/06/2026

This document is confidential and is the property of ADALTRA. ADALTRA holds the copyright, and the document must not be copied or modified in any form, in whole or in part, without the prior written permission of ADALTRA. The specifications contained in this document are non-contractual and may be subject to change without prior notice.

## CONSTRUCTION & TECHNICAL PERFORMANCE

| | |
|---|---|
| Product Type | XHFAPOWER |
| Construction (mm²) | 3 G 6 mm² |
| Conductor material | Bare copper |
| Conductor cross-section | 6 mm² |
| Core composition | < 4mm²: solid conductor IEC 60228 class 1<br>≥ 6mm²: 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) | 14.7 |
| Weight (Kg/Km) | 480 |

## 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 |

Updated: 25/06/2026

This document is confidential and is the property of ADALTRA. ADALTRA holds the copyright, and the document must not be copied or modified in any form, in whole or in part, without the prior written permission of ADALTRA. The specifications contained in this document are non-contractual and may be subject to change without prior notice.

| 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 |

Updated: 25/06/2026

This document is confidential and is the property of ADALTRA. ADALTRA holds the copyright, and the document must not be copied or modified in any form, in whole or in part, without the prior written permission of ADALTRA. The specifications contained in this document are non-contractual and may be subject to change without prior notice.