

# Technical data

**CODE:**

2270, 2275, 2280, 2208, 2209

**PRODUCT:**

IC - HV CABLE EN 50143

**NOTE:**

TECHNICAL DATA

**IMAGE:****LAST UPDATE:**

11/2021

# IC - HV CABLE EN 50143



APPROVALS:  
IMQ CA 01.00406  
IMQ CA 01.00578

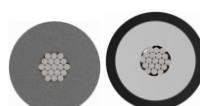
IMQ <HAR> APPROVED IGNITION SINGLE CORE FLEXIBLE CONDUCTOR



## INSULATION COLOUR



## APPLICATIONS



Flexible tinned copper conductor

| TECHNICAL DATA        |                                                                |
|-----------------------|----------------------------------------------------------------|
| Nominal voltage       | U <sub>0</sub> /U 5/10 kV                                      |
| Test voltage          | 15 kV                                                          |
| Operating temperature | -60°C ÷ +180°C (B)<br>-60°C ÷ +90°C (C2)<br>-60°C ÷ +90°C (D2) |
| Approved              | IMQ HAR                                                        |
| Standards             | CEI EN 50143:2012<br>EN 50107 - EN 50363-1<br>EN 60332-1-2     |
| Conductor             | IEC EN 60228 Class 5                                           |
| Halogen free          | IEC 60754-1<br>IEC 60754-2                                     |

## PACKAGING



| TYPE            | NOMINAL SECTION | MAXIMUM OVER DIAM. OF THE CONDUCTOR WIRES | INSULATION THICKNESS | SHEATH THICKNESS | OVERALL DIAMETER | MAX ELECTRIC RESISTANCE AT 20°C |
|-----------------|-----------------|-------------------------------------------|----------------------|------------------|------------------|---------------------------------|
|                 |                 |                                           |                      |                  |                  | TINNED COPPER                   |
|                 | mm <sup>2</sup> | mm                                        | mm                   | mm               | mm               | Ω/Km                            |
| IC - HV Type B  | 1,00            | 0,21                                      | 2,50                 | /                | 6,30             | 20,00                           |
| IC - HV Type C2 | 1,00            | 0,21                                      | 2,50                 | 0,90             | 8,10             | 20,00                           |
| IC - HV Type D2 | 1,00            | 0,21                                      | 2,50                 | 0,90             | 9,00             | 20,00                           |

Diameters tolerances : according with EN 50143 standards

## Specific type

**Type B:** silicone rubber insulated cable

**Type C2:** silicone rubber insulation cable with an external thermoplastic sheath type LSZH Z M1

**Type D2:** silicone rubber insulation cable shielded with tinned copper and sheathed with an external thermoplastic sheath type LSZH Z M1

## Properties

Good resistance to high and low temperature.

Weather proof.

Suitable for electronic ignition or similar application in lighting devices EN 50107