

27x1.5/6 mm² N2XCH Shielded Electric Power Cable BC/CL2/XLPE/HFFR/C/HFFR/600V/80C POWER & CONTROL P/N 3691927106

INDUSTRY

Applications

Low voltage power, Power and control, 90°C applications



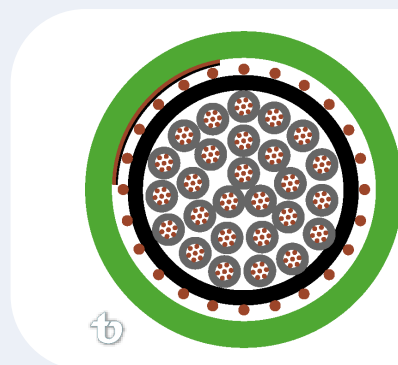
Outer Jacket Material
FR-LSZH



Outer diameter
26.5 mm nom.



Weight
1010 kg/km



General Construction

27 Insulated wires are cabled together and sheathed. A metallic screen of copper wires and copper tape is applied on the cable and outer jacketed.

Design & Materials

| | |
|--|----------------------|
| Conductor Material | Annealed Bare Copper |
| Conductor Cross Section (mm ²) | 1.5 |
| Conductor Construction | 7x0.53 mm |
| Insulation Material | XLPE |
| Insulation O.D. (mm nom) | 3.1 |
| Conductor Color Code | Gray, Numbered |
| Inner Jacket Material | HFFR |
| Inner Jacket Thickness (mm nom) | 1.2 |
| Inner Jacket Diameter (mm nom) | 21.6 |
| Inner Jacket Color | Black |
| Total Number Of Conductors | 27 |
| Outer Jacket Thickness (mm nom) | 1.8 |
| Outer Jacket Color | Green |
| Marking | Teldor Standard |

27x1.5/6 mm² N2XCH Shielded Electric Power Cable
 BC/CL2/XLPE/HFFR/C/HFFR/600V/80C
 P/N 3691927106

INDUSTRY

Performance

| | |
|-------------------------------------|----------|
| Max. DC Resistance (Ω/km@20°C) | 12.1 |
| Max. Screen Resistance (Ω/Km @20°C) | 3.08 |
| Dielectric Strength (V/minute) | 3500 V |
| Voltage Rating (V) | 600/1000 |
| Min. Bend Radius (mm) | Dx12 |
| Min. Operating Temperature (°C) | -40 |
| Max. Operating Temperature (°C) | +80 |
| UV Resistance | Yes |

Standards

Flammability Rating
 IEC 60332-1
 IEEE 383

Applicable Standards
 IEC 60228
 SI 1516



Teldor Cables & Systems Ltd. ("Teldor") reserves the right to make changes to the products described in this catalog without prior notice. Teldor does not assume any liability which may occur due to the use of the products described herein. Drawings may not be to scale and are provided for general and informational purposes only. The information contained in this catalog is the proprietary property of Teldor, and may not be used, reproduced or disclosed to others, in whole or in part, without the written authorization of Teldor.

Version 1.3 | Last update: 2025-07-15