

New! The first interconnect from the Brown Sugar series in the Melodika lineup!

The Melodika BS2X is a high-end connection cable and the first within the Brown Sugar series from the Polish brand. It is terminated with modified metal plugs from Neutrik with silver-plated plugs. The symmetrical construction of the cable with a dense, double shielding makes the BS2X ideal for connecting an amplifier with balanced (symmetrical) inputs to a CD player, streamer, or DAC.



melodika[®]
BS2X Brown Sugar



What makes the new product from the Polish manufacturer special?

Increasing the conductor's cross-section is one of the elements that enhances the overall performance of the XLR cable Melodika BS2X. According to Ohm's law, the resistance of the conductor is inversely proportional to its cross-section. Reducing resistance ensures that the quality and level of the transmitted electrical signal do not decrease. A larger cross-section also improves resistance to electromagnetic interference (EMI) and radio frequency interference (RFI), which is crucial when there are many electrical devices nearby. This is particularly important for high-quality analog audio signals.

Low-capacitance dielectric insulation with LDPE - low-density foamed polyethylene provides lossless signal transmission.

Double shielding

The shielding braid is made of copper with a minimum 99% coverage which ensures very high resistance to any interference. To further increase the shielding effectiveness, a layer of metalized Mylar foil was used, which ensures 100% coverage density.

What does double shielding provide? The braided copper shield is thicker and thus, absorbs more electromagnetic interference (EMI), especially at lower frequencies. On the other hand, the Mylar foil, which is the second shielding layer, absorbs less interference but offers better protection

across a wider frequency spectrum. Double shielding is therefore an optimal solution, providing broad-frequency protection against interference and their negative impact on the signal.

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In **Spiral Litz Technology** each braid is made of separately insulated and twisted wires which enables them to act as separate conductors, not as one large conductor. The total voltage of power amplifier's output flows in each of them. This type of solution prevents electrons from jumping from one strand to another and thus, eliminates the loss of the so-called subtle information. The most important benefit of this technology is the uniformity of the current distribution throughout the cable cross-section that increases the efficiency of current transmission. Skin-effect is reduced to minimum. Furthermore, the conductors' insulation prevents copper oxidation.

Multi-Gauge Core Technology is the special cable construction that responds to the fact that the wire thickness affects its electrical properties. Thus, Melodika BS2X Brown Sugar consists of strands of various thicknesses to deliver the best sound from low, medium and high tones.

No skin effect

The higher the frequency transmitted through the line, the more the current tends to flow on the surface of the conductor. This occurs due to variable magnetic interactions of the current with itself. This is not a desirable phenomenon because with increasing frequency, the utilized surface area of the conductor decreases, resulting in increased cable impedance for high frequencies. The signal begins to flow unevenly (including phase shifts), leading to the loss of very quiet components, described as a lack of air or subtle information in listening experiences. Therefore, the Melodika Brown BSC1211 cable, on which the Melodika BS2X interconnect is based, features three different conductor thicknesses.



Twisted cores - the use of the spirally twisted braid reduces the cable's sensitivity to interference. As a result, the current induced in one conductor has the opposite direction to that in the neighboring one and thus, the disturbances cancel one another. This solution was invented in 1881 by Alexander Graham Bell (scientist, inventor of the telephone and dozens of other telecommunications inventions), who demonstrated that this arrangement reduces the impact of EMI and mutual interferences called crosstalk.

The quality of materials used, precision, and durability of construction make us offer a 5-year warranty on all Melodika products, including the BS2X cable.

The Melodika XLR interconnect is marked with the symbol BS2X, where "BS" is an abbreviation for the series name - Brown Sugar, "2X" stands for 2xXLR, and the numbers following this symbol indicate the cable length. Therefore, a cable with a length of 2.5m will have the symbol: BS2X25, and a cable with a length of 5m will be BS2X50. The Melodika BS2X Brown Sugar cable is available in lengths from 0.5m to 10m.

Key features:

- Conductor: High-quality 99.9999% OFC copper (6N)
- Connector type: XLR
- Solid, modified Neutrik metal plugs with silver-plated plugs
- Tin silver soldering
- Cable diameter: 8.2mm
- Cable flexibility, cable refraction diameter: 65mm
- Conductor cross-section: 2x 1.1mm²
- Double shielding: Mylar foil + copper braid with a minimum 99% coverage
- Conductor resistance: 25 Ohm/km
- Mutual capacitance of conductors: 115 pF/m
- Low-capacitance LDPE dielectric insulation
- Spiral Litz Technology

- Multi-Gauge Core Technology
- Shape: Round
- Enhanced resistance of insulation with a quadruple PVC/PE coating allows the cable to be laid under plaster or concrete without risk of damaging it.
- Warranty: 5 years
- Made in Poland



Price:

0,5m	BS2X05	210 EUR
0,75m	BS2X07	229 EUR
1m	BS2X10	240 EUR
1,25m	BS2X12	262 EUR
1,5m	BS2X15	277 EUR
2m	BS2X20	312 EUR
2,5m	BS2X25	342 EUR
3m	BS2X30	375 EUR
4m	BS2X40	439 EUR
5m	BS2X50	502 EUR
6m	BS2X60	570 EUR
7m	BS2X70	649 EUR
8m	BS2X80	705 EUR
10 m	BS2X100	840 EUR

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Melodika is a Polish brand created out of genuine passion in 2010 by the team of music lovers but also experts with the background in selling audio-video goods and providing professional audiovisual installations.

With the guiding principle to never compromise on sound, we decided to produce top quality solutions at the most accessible, reasonable price level. Thus, our brand's design and production philosophy are always based on effective solutions tested in practice. No audiovoodoo, just audio equipment that we, ourselves would like to buy and enjoy while using.