

ANALOGIC CABLES

AUDIO MULTIPAIR mod. 7YPR..



7YPR04SX

The SYNTAX® AUDIO MULTIPAIR cables are developed for high-standard professional applications in the rigorous environments of the audio & video installations, studio recording and musical entertainment, everywhere excellent electrical and mechanical properties are required. The pairs are twisted and jacketed; the external PVC jacket of each pair is individually numbered. All jacketed pairs are inside an outer PVC sheath whose internal talc dusted lined ridges allow the cores to slide against one other, yet maintain them properly clustered even under heavy usage and continuous rewinding. This solves the problems of twisting and knotting of the cores while keeping the right cable flexibility. The XLPE conductor insulation is particularly resistant to high temperatures, so as to avoid warping or shrinkage when soldering. The aluminium/polyester foil shield provides a 100% screen and the drain wire inside allows fast installation. All the conductors are made of High Purity Oxygen Free Copper. The extra-flexible PVC external jacket is anti-trampling and anti-scratch for usage at either extremely low or high temperatures, ranging from -30°C up to +70°C.

- Conductors: tinned OFC 24 AWG 19 x 0,12 mm
- Conductors jacket: red/blue XLPE
- Drain wire: tinned OFC 24 AWG 19 x 0,12 mm
- Screen: aluminium/polyester foil 100% coverage
- External jacket: flame-retardant flex PVC black
- Operating temperature: -30° +70° C.
- D.C.R.:

conductors	<90 Ω/Km
shield	<70 Ω/Km
- Capacitance:

CDR/CDR	1Khz - 100 nF/Km
CDR/SCR	1Khz - 200 nF/Km



7YPR16SX

N. PAIR	PART N.	Ø CABLE
2	7YPR02SX	7,2 mm
4	7YPR04SX	9,6 mm
8	7YPR08SX	12,2 mm
12	7YPR12SX	14,5 mm
16	7YPR16SX	16,3 mm
24	7YPR24SX	20,8 mm
32	7YPR32SX	22,8 mm
40	7YPR40SX	25,2 mm
48	7YPR48SX	27,0 mm

INSTALLATION AUDIO mod. 7XCBL02SX



Thanks to its small external diameter, this cable represents the best solution for the internal wiring of racks and audio equipment installations. It is made up of a twisted pair of tinned OFC conductors and tinned drain wire. The XLPE conductor insulation is particularly resistant to high temperatures, so as to avoid warping or shrinkage when soldering. The aluminium/polyester foil shield provides 100% protection from external noises and the tinned drain wire allows faster installation.

- Conductors: tinned OFC 24 AWG 19 x 0,12 mm
- Conductors jacket: red/blue XLPE
- Drain wire: tinned OFC 24 AWG 19 x 0,12 mm
- Screen: aluminium/polyester foil 100% coverage
- External jacket: flame-retardant PVC black - Ø 2,7mm
- Operating temperature: -30° +70° C.
- D.C.R. conductors: <90 Ω/Km
- D.C.R. shield: <70 Ω/Km
- Capacitance CDR/CDR: 1Khz 100 nF/Km
- Capacitance CDR/SCR: 1Khz 200 nF/Km

ANALOGIC CABLES

AUDIO MICROPHONE mod. 7XSPM03N



- Conductors: tinned OFC 24 AWG 19 x 0,12 mm
- Conductors jacket: red/blue XLPE
- Drain wire: tinned OFC 24 AWG 19 x 0,12 mm
- Screen: high density spiral OFC 95% cov.
- Nominal resistance: <math><96 \Omega/\text{Km}</math>
- Mutual capacitance: 1KHz 160 nF/Km
- Operating temperature: $-30^{\circ} +70^{\circ} \text{ C.}$
- External jacket: black PVC \varnothing 6,5mm flame-retardant (other colours on demand)

SYNTAX AUDIO MICROPHONE. The featuring of this cable provides excellent flexibility and anti-knotting properties. The two insulated twisted conductors and drain wire are shielded with a high density copper wrap for the highest screening performance. This particular construction featuring the drain wire also improves the mechanical strength of the cable. The conductors are made of tinned OFC and insulated with a high thermal resistance XLPE sheath to avoid warping or shrinkage when soldering. The special PVC compound of the outer jacket improves flexibility, abrasion resistance and water repellence as well as making the cable suitable for subflooring and anti-knotting. The jacket is flame retardant and allows the use of the cable even with very low temperatures.

AUDIO MICROPHONE mod. 7XSP03N



- Conductors: tinned OFC 24 AWG 19 x 0,12 mm
- Conductors jacket: red/blue XLPE
- Drain wire: tinned OFC 24 AWG 19 x 0,12 mm
- Screen: high density spiral OFC 95% cov.
- Nominal resistance: <math><96 \Omega/\text{Km}</math>
- Mutual capacitance: 1KHz 160 nF/Km
- Operating temperature: $-30^{\circ} +70^{\circ} \text{ C.}$
- External jacket: black PVC \varnothing 6,5mm flame-retardant (other colours on demand)

This microphone cable version has a double jacket, which allows its usage also with connectors having a small cable gland. The special PVC compound used for the jackets grants very high flexibility, abrasion resistance and water repellence as well as making the cable suitable for subflooring and anti-knotting.

The inner pair consists of two twisted conductors of electrolytic tinned copper, insulated by a high thermal resistance XLPE sheath to avoid warping or shrinkage when soldering. The connection of the ground contact is made easier by a tinned copper wire (drain wire). The shield consists of an electrolytic copper spiral, wrapping the twisted pair and the drain wire along the entire length of the cable. This particular construction featuring the drain wire also improves the mechanical strength of the cable. The jackets are made of flame retardant PVC compound and allow the use of the cable even with very low temperatures.

AUDIO MICROPHONE mod. 7XSPM02N



- Conductors: bare OFC 24 AWG - 28 x 0,10 mm
- Conductors jacket: red/blue XLPE \varnothing 1,4 mm
- Screen: high density spiral OFC
- Nominal resistance: <math><85 \Omega/\text{Km}</math>
- Mutual capacitance: 110 nF/Km
- Operating temperature: $-30^{\circ} +70^{\circ} \text{ C.}$
- External jacket: black PVC \varnothing 6,4 mm flame-retardant (other colours on demand)

With the 7XSP02N we found a perfect balance between performance and handling.

The high stranding formation and the absence of the drain wire result in extreme flexibility, without reducing the life expectancy of the cable even after many winding operations.

The twisted pair conductors' insulation has a larger diameter for a the decrease of the mutual capacity value, which lowers the attenuation of high frequency signals.

The shield consists of a high density OFC copper spiral wrap, providing protection from external noises.

The jacket is made of a flame retardant PVC compound and allows the use of the cable up to temperatures of -30°C.

INSTRUMENT CABLE mod. 7XHP01SX



CONSTRUCTION DETAIL

- Conductor: 1 x 0.50 mm² tinned copper OFC, 21 AWG 64 x 0,10 mm
- Conductors jacket: Foam skin PE, Ø =2.40 mm - white
- Shields: conductive carbon jacket + double tinned copper wrap
- Operating temperature: -30°C + 70°C
- External jacket: Flexible PVC flame-retardant Black colour, Ø 7.00 mm
- Conductor resistance: ≤ 39.5 Ω/Km
- Insulation resistance: ≥ 1 GΩ/Km
- Capacitance: 89 nF/Km
- Operating rating: < 50 V
- Voltage test: 1.5 kVdc x 1 min.

This professional high end unbalanced cable offers a very low capacitance with loss free transmission, ideal for bass, guitar, and keyboard due to the special stranding and a wire diameter of 0.50 mm²

The sound advantages of this design are extremely fast transmission capabilities (ideal for attacks), convincing mid ranges, popping deep basses and an analytical transmission. Brightly and dominant high frequency transmission at long paths on large stages even when are used pickups with lots of coils.

This cable can handle the low frequencies of analog machines as easily as the razor-sharp high ranges of virtual synthesizers.

A triple shield (double tin-plated copper spiral shielding and conductive carbon tube) ensures total protection from external signal disturbance. The external jacket is as thick as to ensure extreme anti-tearing quality and convinces with high bending cycles.

Despite its robustness SYNTAX Instrument cable is very easy to wind, being made of a special PVC compound and by an extra small-gauge wires for the internal conductor.