



BiTsound[®]

Cables for live stage, studio and audiophile applications



Dear Customers,

Faithful sound reproduction requires not only a perfect sound system but also high-quality cables. Generating the right sounds whilst maximising the use of music equipment is to a large extent possible due to **state-of-the-art cable technology**.

We have been manufacturing cables and wires for numerous applications since 1996. Audio cables have always been special as they connect our two greatest passions: **passion for cables and immaculate sounds**.

BiTsound® range has been designed and manufactured with utmost diligence and precision. Improved electrical parameters, outstanding mechanical resistance and remarkable flexibility enable excellent sound transmission even in the most demanding conditions.

Immerse yourself in pure sounds with our BiTsound® range

Cable Factory BITNER Ltd.



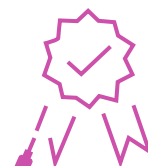
over 25 years
of experience



570 team members



32 000m² of production,
storage and office area



certified quality

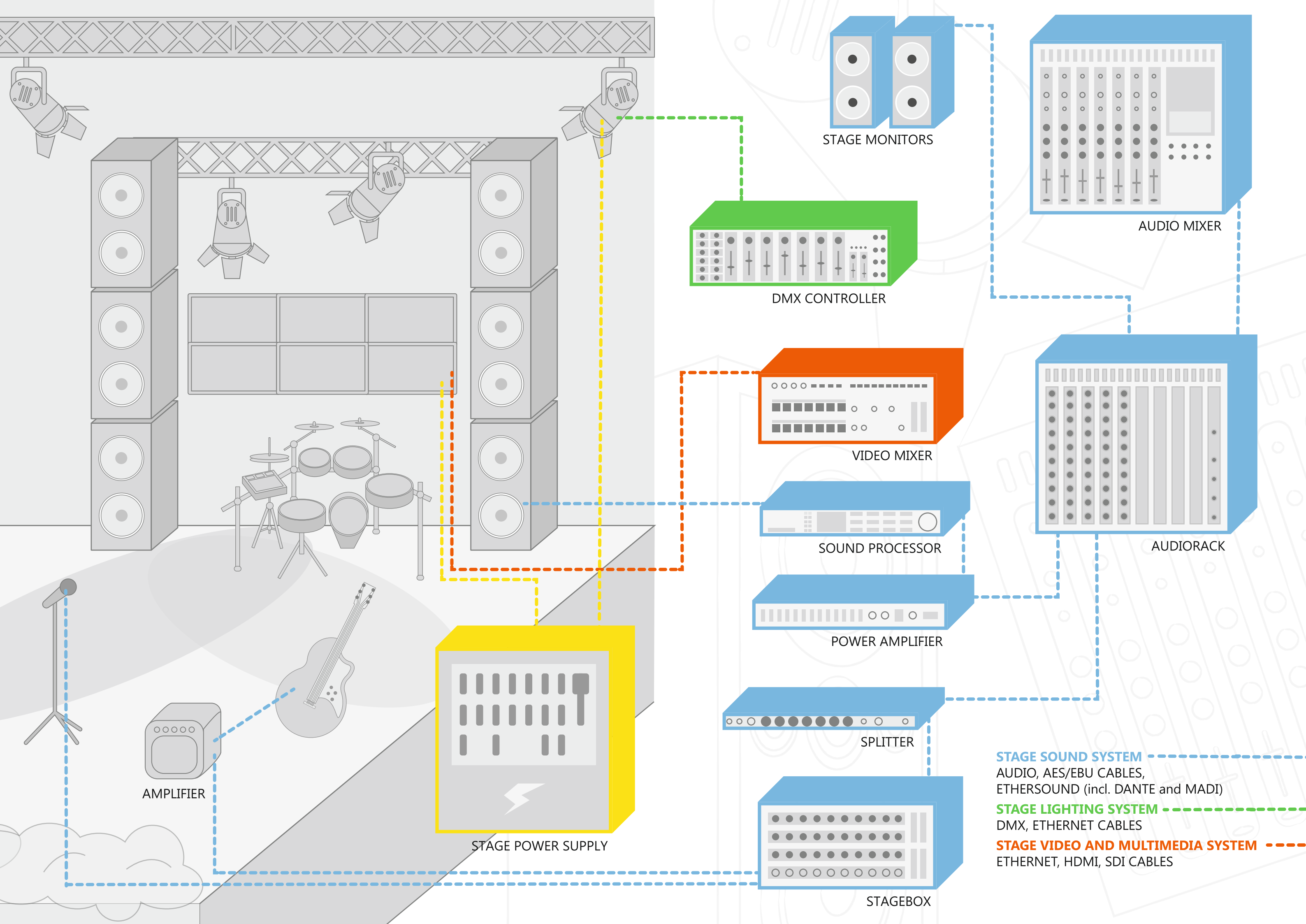


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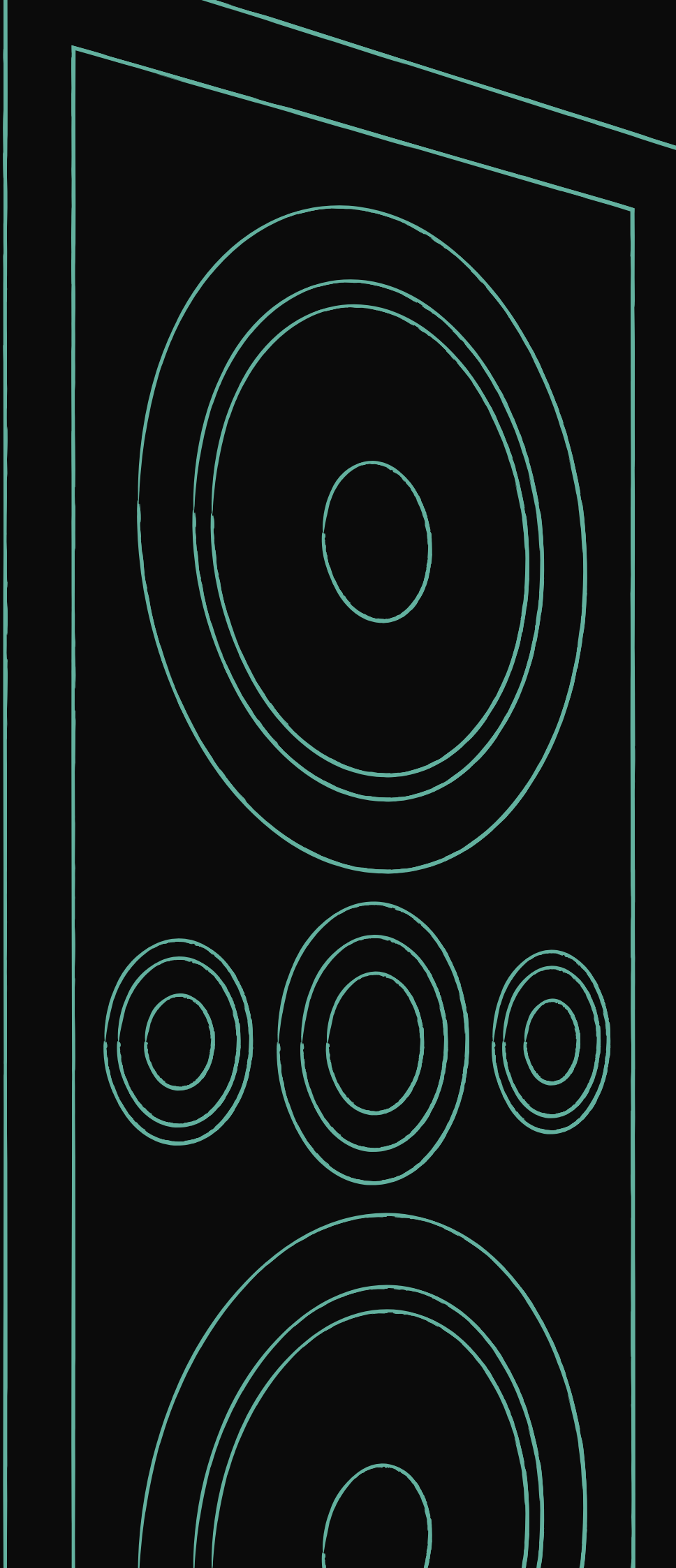
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CHAPTER I

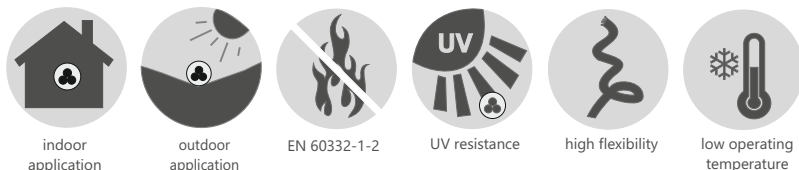
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BiTsound® Speaker Cable OFC

Highly flexible speaker cable

I. SPEAKER CABLES



Technical data:

Operating temperature: -30 °C to 80 °C
Min. ambient temperature for fixed installations: -40 °C
Min. installation temperature: -5 °C
Test voltage 50Hz: 2000V
Min. insulation resistance: 20MΩxkm
Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, highly flexible class 6 acc. to EN 60228
Insulation: special PVC
Core identification: 2 cores: black, red
4 cores: black, red, white, green
8 cores: black, red, white, green, yellow, grey, violet, blue
Core arrangement: cores twisted together
Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2, UV resistant
Outer sheath colour: black matt

Application:

BiTsound® Speaker Cables OFC are characterized by high flexibility and increased transmission parameters. They can be installed in channels, cable trays or in plaster. Special black, matt, UV and weather-resistant outer sheath enables outdoor installation and eliminates the light reflection effect. Cables are also designed for internal, external and on-stage applications.
BiTsound® Speaker Cables OFC are classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- thermal stability
- special black, matt outer sheath eliminating the light reflection effect

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0199	2x1,5	7,0	75	28,8	12,80
LP0274	4x1,5	9,3	138	57,6	12,80
LP0200	2x2,5	8,0	108	48,0	7,20
LP0201	4x2,5	10,5	194	96,0	7,20
LP0296	8x2,5	13,8	369	192,0	7,20
LP0202	2x4,0	10,0	172	76,8	4,35
LP0203	4x4,0	11,7	272	153,6	4,35
LP0277	8x4,0	16,6	570	307,2	4,35

Cable Factory BITNER reserves the right to modify the specifications without prior notice
Note: on customer's request other cross sections or number of cores can be produced

BiTsound® Speaker Cable PUR OFC

Highly flexible, PUR sheathed speaker cable



indoor application



outdoor application



EN 60332-1-2



oil resistance
EN 60811-404



chemical resistance



UV resistance



high flexibility



low operating temperature

Technical data:

Operating temperature: -30 °C to 80 °C

Min. ambient temperature for fixed installations: -40 °C

Min. installation temperature: -5 °C

Test voltage 50Hz: 2000V

Min. insulation resistance: 20MΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded class 6 acc. to EN 60228

Insulation: special PVC

Core identification: 2 cores: black, red

4 cores: black, red, white, green

8 cores: black, red, white, green, yellow, grey, violet, blue

Core arrangement: cores twisted together

Inner sheath: special PVC compound

Outer sheath: special PUR compound, oil resistant (EN 60811-404), resistant to hydrocarbons, industrial coolants, self-extinguishing and flame retardant acc. to EN 60332-1-2, UV resistant

Outer sheath colour: black, matt

Application:

BiTsound® Speaker Cables PUR OFC are characterized by increased transmission parameters, high flexibility and very good environmental and mechanical resistance. They can be installed in channels, cable trays or in plaster. Special black, matt UV and weather-resistant PUR outer sheath enables outdoor installations and eliminates the light reflection effect. Cables are also designed for internal, external and on-stage applications.

BiTsound® Speaker Cables PUR OFC are classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- thermal stability
- special black, matt outer sheath eliminating the light reflection effect
- high environmental and mechanical resistance

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0475	2x1,5	7,4	83	28,8	12,80
LP0481	4x1,5	9,3	139	57,6	12,80
LP0476	2x2,5	8,2	113	48,0	7,20
LP0482	4x2,5	10,5	196	96,0	7,20
LP0487	8x2,5	13,8	370	192,0	7,20
LP0477	2x4,0	10,2	181	76,8	4,35
LP0483	4x4,0	12,0	285	153,6	4,35
LP0488	8x4,0	16,6	572	307,2	4,35

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



BiTsound®INSTAL Speaker Cable OFC

Highly flexible speaker cable

I. SPEAKER CABLES



Technical data:

Operating temperature: -30 °C to 80 °C
Min. ambient temperature for fixed installations: -40 °C
Min. installation temperature: -5 °C
Test voltage 50Hz: 2000V
Min. insulation resistance: 20MΩxkm
Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors
 Class 6 (1,5mm², 2,5mm², 4mm² acc. to EN 60228)
 Class 5 (6mm², 10mm², 16mm² acc. to EN 60228)
Insulation: special PVC
Core identification: 2 cores: black, red
4 cores: black, red, white, green
Core arrangement: cores twisted together
Filling sheath: special PVC (only for cables with core sizes > 6mm²)
Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-3, UV resistant
Outer sheath colour: black

Application:

BiTsound®INSTAL Speaker Cables OFC are characterized by high flexibility and increased transmission parameters. They can be installed in channels, cable trays or in plaster. Special UV and weather-resistant outer sheath enables outdoor installations as well as direct burial in ground. Cables are designed for internal and external applications. BiTsound®INSTAL Speaker Cables OFC are classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- thermal stability

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0250	2x1,5	7,5	86	28,8	12,80
LP0285	4x1,5	9,1	139	57,6	12,80
LP0204	2x2,5	8,5	121	48,0	7,20
LP0253	4x2,5	10,1	191	96,0	7,20
LP0205	2x4,0	10,5	190	76,8	4,35
LP0254	4x4,0	12,4	304	153,6	4,35
LP0206	2x6,0	11,6	237	115,2	3,30
LP0255	4x6,0	13,6	378	230,4	3,30
LP0234	2x10	16,2	475	192,0	1,91
LP0235	4x10	18,7	716	384,0	1,91
LP0236	2x16	18,2	637	307,2	1,21
LP0237	4x16	21,2	988	614,4	1,21

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
 Note: on customer's request other cross sections or number of cores can be produced.

BiTsound®INSTAL Speaker Cable LSOH OFC

Halogen-free speaker cable



indoor application



outdoor application



halogen-free



EN 60332-1-2



oxygen index



low smoke emission
EN 61034



UV resistance

Technical data:

Operating temperature: -30 °C to 80 °C

Min. ambient temperature for fixed installations: -40 °C

Min. installation temperature: -5 °C

Test voltage 50Hz: 2000V

Min. insulation resistance: 20MΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors

Class 6 (1,5mm², 2,5mm², 4mm² acc. to EN 60228)

Class 5 (6mm², 10mm², 16mm² acc. to EN 60228)

Insulation: special halogen-free compound

Core identification: 2 cores: black, red

4 cores: black, red, white, green

Core arrangement: cores twisted together

Filling sheath: special halogen-free compound

Outer sheath: special halogen-free compound, self-extinguishing and flame retardant acc. to EN 60332-1-2, UV resistant

Outer sheath colour: black

Application:

BiTsound®INSTAL Speaker Cables LSOH OFC are designed for operation in dry and damp rooms. They can be installed in sound distribution systems in large venues such as sports stadiums, amphitheatres, theaters and cinema halls. Cables are halogen-free, they do not emit smoke and significantly limit flame propagation during fire. They can be used both in indoor and outdoor installations.

BiTsound®INSTAL Speaker Cables LSOH OFC are classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- halogen free outer sheath
- flame retardance
- low smoke emission
- limited corrosive gases emission
- usage in places with increased fire safety requirements
- high impact strength and flexibility at both room and low temperatures
- thermal stability

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0244	2x1,5	8,2	108	28,8	12,80
LP0279	4x1,5	9,4	154	57,6	12,80
LP0238	2x2,5	9,1	145	48,0	7,20
LP0256	4x2,5	10,5	212	96,0	7,20
LP0241	2x4,0	11,1	222	76,8	4,35
LP0243	4x4,0	12,9	333	153,6	4,35
LP0242	2x6,0	12,2	273	115,2	3,30
LP0257	4x6,0	14,2	416	230,4	3,30
LP0239	2x10	15,2	440	192,0	1,91
LP0251	4x10	17,7	674	384,0	1,91
LP0240	2x16	17,2	599	307,2	1,21
LP0252	4x16	20,2	622	614,4	1,21

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.

BITNER



BiTsound® INSTAL Speaker Cable LSOH PGI-(VH) OFC PH90

I. SPEAKER CABLES

Fire resistant, halogen-free speaker cable with additional anti-rodent outer sheath



Technical data:

Operating temperature: -30 °C to 80 °C
Min. ambient temperature for fixed installations: -40 °C
Min. installation temperature: -5 °C
Test voltage 50Hz: 2000V
Min. insulation resistance: 20MΩxkm
Min. bending radius: 20xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded class 5 acc. to EN 60228
Insulation: special fire resistant, halogen-free compound
Core identification: black, red
Core arrangement: cores twisted together
Filling sheath: special halogen-free compound
Inner sheath: special halogen-free, self-extinguishing and flame retardant compound, acc. to EN 60332-1-2
Inner sheath colour: black
Outer sheath: special thermoplastic, halogen-free compound with increased mechanical resistance, anti-rodent
Outer sheath colour: black

Application:

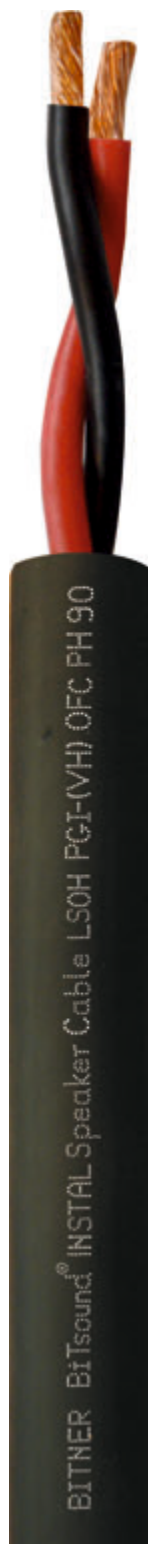
BiTsound®INSTAL Speaker Cables LSOH PGI-(VH) OFC PH90 are designed for operation in dry and damp rooms. They can be installed in sound distribution systems, in large venues such as sports stadiums, amphitheatres, theaters, and cinema halls. They are halogen-free, do not emit smoke, significantly limit flame propagation during fire and ensure proper operation of installations for at least 90 minutes under fire conditions. Cables are also suitable for internal and external applications as well as for use in areas exposed to the presence of rodents.
 BiTsound®INSTAL Speaker Cables LSOH PGI-(VH) OFC PH90 are classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- halogen free outer sheath
- flame retardance
- low smoke emission
- limited corrosive gases emission
- usage in places with increased fire safety requirements
- anti-rodent resistance
- high impact strength and flexibility at both room and low temperatures
- thermal stability

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0400	2x1,5	8,6	112	28,8	13,30
LP0401	2x2,5	10,1	158	48,0	7,98
LP0403	2x4,0	11,2	210	76,8	4,95
LP0405	2x6,0	13,6	310	115,2	3,30
LP0407	2x10	15,8	451	192,0	1,92
LP0410	2x16	18,0	621	307,2	1,21

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
 Note: on customer's request other cross sections or number of cores can be produced.



BiTsound® PGY-p OFC

Flexible, flat speaker cable with common PVC insulation



indoor application



EN 60332-1-2



high flexibility



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 80 °C

Flexible connections: -5 °C to 50 °C

Min. ambient temperature for fixed installations: -40 °C

Min. installation temperature: -5 °C

Operating voltage: 300V

Min. insulation resistance: 20MΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded class 5 acc. to EN 60228

Insulation: special PVC

Insulation colour: clear with a black, longitudinal stripe on one of the cores

Application:

BiTsound® PGY-p OFC cables are suitable for connections between low frequency power amplifiers and loudspeakers. They have common, clear PVC insulation with black, longitudinal polarity stripe on one of the cores and are suitable for fixed installations or flexible connections indoors.

BiTsound® PGY-p OFC are classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- thermal stability
- construction enabling separation of the conductors

Cross-section [mm²]	Max. conductor resistance [Ohm/km]
0,35	55,40
0,5	39,00
0,75	26,00
1,0	19,50
1,5	13,30
2,5	7,98
4,0	4,95
6,0	3,30

Cat. no.	n x mm²	Nominal O.D. [mm]	Nominal weight [kg/km]	Cu [kg/km]
LP0056	2x0,35	1,6x3,4	11	7
LP0057	2x0,5	2,2x4,5	18	10
LP0050	2x0,75	2,4x4,9	23	14,4
LP0051	2x1	2,6x5,1	28	19,2
LP0052	2x1,5	2,7x5,5	37	28,8
LP0053	2x2,5	3,4x6,8	59	48
LP0054	2x4	4,1x8,5	97	76,8
LP0055	2x6	5,0x10,4	140	115,2

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BITNER®



CHAPTER II

MICROPHONE CABLES

BiTsound® LP0208 LowNoise Microphone Cable OFC	16
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BiTsound® LP0209 LowNoise Professional Microphone Cable OFC	20
BiTsound® LP0210 LowNoise Professional Microphone Cable OFC	21
BiTsound® LP0298 LowNoise Microphone Cable PUR OFC	22
BiTsound® LP0299 LowNoise Professional Microphone Cable PUR OFC	23
BiTsound® LP0231 Microphone Instal Cable OFC	24
BiTsound® LP0211 LowNoise Microphone Instal Cable OFC LSOH	25
BiTsound® LP0262 LowNoise Microphone Instal Cable OFC LSOH	26
BiTsound® LP0702 Digital Professional Cable OFC AES/EBU	27
BiTsound® LP0218 Hybrid Cable Power 3G1,5 + Microphone 2x0,23 OFC	28

BiTsound® LP0208 LowNoise Microphone Cable OFC

II. MICROPHONE CABLES

Flexible, screened microphone cable



internal
application



EN 60332-1-2



high flexibility



low operating
temperature



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months
warranty



Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: $\leq 65\text{nF/km}$

Conductor/screen: $\leq 130\text{nF/km}$

Impedance: $85\Omega \pm 5$

Min. insulation resistance: $1,0\text{G}\Omega \times \text{km}$

Min. bending radius: $5 \times \varnothing$ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded (30x0,1)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together with textile fillers

Screen: copper wire braid, coverage min. 90%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, red, blue or green; matt

Application:

BiTsound® LP0208 LowNoise Microphone Cable OFC is designed for transmitting analog signals and dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0208 LowNoise Microphone Cable OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0208	black	2x0,23	6,0	50	18,0	71,5
LP0208.05	red					
LP0208.06	blue					
LP0208.07	green					

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® LP0261 LowNoise Microphone Cable OFC THIN

Flexible, screened microphone cable with reduced outer diameter



internal
application



EN 60332-1-2



high flexibility



low operating
temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: $\leq 65\text{nF/km}$

Conductor/screen: $\leq 130\text{nF/km}$

Impedance: $85\Omega \pm 5$

Min. insulation resistance: $1,0\text{G}\Omega \times \text{km}$

Min. bending radius: $5 \times \varnothing$ (\varnothing - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded (30x0,1)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together with textile fillers

Screen: copper wire braid, coverage min. 90%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound®LP0261 LowNoise Microphone Cable OFC THIN is designed for transmitting analog signals and dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0261 LowNoise Microphone Cable OFC THIN is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect
- reduced outer diameter

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0261	black	2x0,23	4,5	32	18,0	71,5

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24
months
warranty



BiTsound® LP0213 LowNoise Patch Cable OFC

II. MICROPHONE CABLES

Flexible patch cable



internal application



EN 60332-1-2



high flexibility



low operating temperature



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



BITNER BiTsound® LP0213 LowNoise Patch Cable OFC

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: ≤ 80nF/km

Conductor/screen: ≤ 150nF/km

Min. insulation resistance: 1,0GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors (26x0,1)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound®LP0213 LowNoise Patch Cable OFC is designed for transmitting analog signals and dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0213 LowNoise Patch Cable OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0213	black	2x0,21	3,3	15	71	81,5

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® LP0245 LowNoise Microphone Cable Star Quad OFC

Flexible, screened microphone cable



internal
application



EN 60332-1-2



high flexibility



low operating
temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: ≤ 65nF/km

Conductor/screen: ≤ 130nF/km

Impedance: 85Ω±5

Min. insulation resistance: 1,0GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors (30x0,1)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together in star quad configuration

Screen: copper wire braid, coverage min. 90%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound® LP0245 LowNoise Microphone Cable Star Quad OFC is designed for transmitting analog signals and dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0245 LowNoise Microphone Cable Star Quad OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impacts strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0245	black	4x0,23	6,5	64	18,0	71,5

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months
warranty



BiTsound® LP0209 LowNoise Professional Microphone Cable OFC

II. MICROPHONE CABLES

Flexible, professional microphone cable



internal application



EN 60332-1-2



high flexibility



low operating temperature



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: $\leq 64\text{nF/km}$

Conductor/screen: $\leq 115\text{nF/km}$

Impedance: $95\Omega \pm 5$

Min. insulation resistance: $1,0\text{G}\Omega \times \text{km}$

Min. bending radius: $5 \times \varnothing$ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded (20x0,15)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together with textile fillers

Screen: copper wire braid, coverage min. 90%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound® LP0209 LowNoise Professional Microphone Cable OFC is designed for transmitting analog signals and dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0209 LowNoise Professional Microphone Cable OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0209	black	2x0,35	6,7	64	14,5	52,0

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® LP0210 LowNoise Professional Microphone Cable OFC

Flexible, symmetrical, professional microphone cable



internal
application



EN 60332-1-2



high flexibility



low operating
temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: ≤ 75nF/km

Conductor /screen: ≤ 125nF/km

Impedance: 75Ω±5

Min. insulation resistance: 1,0GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded (28x0,15)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together

Filling sheath: special filling compound

Screen: copper wire braid, coverage min. 85%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound® LP0210 LowNoise Professional Microphone Cable OFC is designed for transmitting analog signals and dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0210 LowNoise Professional Microphone Cable OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0210	black	2x0,5	6,9	75	15,0	37,0

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months
warranty



BITNER BiTsound® LP0210 LowNoise Professional Microphone Cable OFC

BiTsound® LP0298 LowNoise Microphone Cable PUR OFC

II. MICROPHONE CABLES

Flexible, screened microphone cable, PUR sheathed



internal application



EN 60332-1-2



oil resistant
EN 60811-404



chemical resistance



UV resistance



high flexibility



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: $\leq 65\text{nF/km}$

Conductor/screen: $\leq 130\text{nF/km}$

Impedance: $85\Omega \pm 5$

Min. insulation resistance: $1,0\text{G}\Omega \times \text{km}$

Min. bending radius: $5 \times \varnothing$ (\varnothing - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded (30x0,1)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together with textile fillers

Screen: copper wire braid, coverage min. 90%

Outer sheath: special PUR resistant to oil (EN 60811-404), chemicals and industrial coolants, self-extinguishing and flame retardant acc. to EN 60332-1-2; UV resistant

Outer sheath colour: black, matt

Application:

BiTsound® LP0298 LowNoise Microphone Cable PUR OFC is designed for transmitting analog signals and dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0298 LowNoise Microphone Cable PUR OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect
- high environmental and chemical resistance

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0298	black	2x0,23	6,0	50	18,0	71,5

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BITNER BiTsound® LP0298 LowNoise Microphone Cable PUR OFC



BiTsound® LP0299 LowNoise Professional Microphone Cable PUR OFC

Flexible, professional microphone cable, PUR sheathed



internal application



EN 60332-1-2



oil resistant
EN 60811-404



chemical resistance



UV resistance



high flexibility



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Test voltage 50Hz: 1000V

Capacitance (at 1kHz):

Conductor/conductor: ≤64nF/km

Conductor/screen: ≤ 115nF/km

Impedance: 95Ω±5

Min. insulation resistance: 1,0GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded class 6 acc. to EN 60228 (20x0,15)

Insulation: PE

Core identification: red, natural

Core arrangement: cores twisted together with textile fillers

Screen: copper wire braid, coverage min. 90%

Outer sheath: special PUR resistant to oil (EN 60811-404), chemicals and industrial coolants, self-extinguishing and flame retardant acc. to EN 60332-1-2; UV resistant

Outer sheath colour: black, matt

Application:

BiTsound®LP0299 LowNoise Professional Microphone Cable PUR OFC is designed for transmitting analog signals and dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0299 LowNoise Professional Microphone Cable PUR OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect
- high environmental and chemical resistance

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0299	black	2x0,35	6,5	60	14,5	50

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



BiTsound® LP0231 Microphone Instal Cable OFC

II. MICROPHONE CABLES

Flexible, installation microphone cable



internal application



external application



underground installation



UV resistance



EN 60332-1-2



high flexibility



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: $\leq 65\text{nF/km}$

Conductor/screen: $\leq 130\text{nF/km}$

Impedance: $85\Omega \pm 5$

Min. insulation resistance: $1,0\text{G}\Omega \times \text{km}$

Min. bending radius: $5 \times \varnothing$ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded (30x0,1)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together with textile fillers

Screen: copper wire braid, coverage min. 90%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black

Application:

BiTsound® LP0231 Microphone Instal Cable OFC is designed for transmitting analog signals and dedicated to sound installations at large sport facilities such as sport fields, amphitheatres or cinema calls, inside/outside buildings and in cable ducts. It is suitable for direct burial.

BiTsound® LP0231 Microphone Instal Cable OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0231	black	2x0,23	6,7	63	18,0	71,5

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



BiTsound® LP0211 LowNoise Microphone Instal Cable OFC LSOH

Flexible, symmetrical, professional microphone cable



internal application



halogen free



EN 60332-1-2



oxygen index



low smoke emission



high flexibility



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: ≤ 75nF/km

Conductor /screen: ≤ 125nF/km

Impedance: 75Ω±5

Min. insulation resistance: 1,0GΩxkm

Min. bending radius: 10xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors (20x0,15)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together

Filling sheath: special halogen-free compound

Screen: copper wire braid, coverage min. 85%

Outer sheath: special halogen-free compound, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black

Application:

BiTsound® LP0211 LowNoise Microphone Instal Cable OFC LSOH is designed for transmitting analog signals. The cable is halogen-free and does not emit dense smoke or corrosive gases during combustion. It is suitable for fixed installation. Dedicated to professional and studio applications.

BiTsound® LP0211 LowNoise Microphone Instal Cable OFC LSOH is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- halogen-free with limited emission of toxic and corrosive gases during combustion
- low smoke emission (high light transmission)

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0211	black	2x0,5	6,5	69	15,0	37,0

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



BiTsound® LP0262 LowNoise Microphone Instal Cable OFC LSOH

II. MICROPHONE CABLES

Flexible, halogen-free microphone cable for fixed installations



internal application



halogen free



EN 60332-1-2



oxygen index



low smoke emission



high flexibility



low operating temperature



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: $\leq 64\text{nF/km}$

Conductor/screen: $\leq 115\text{nF/km}$

Impedance: $95\Omega \pm 5$

Min. insulation resistance: $1,0\text{G}\Omega \times \text{km}$

Min. bending radius: $10 \times \varnothing$ (\varnothing - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded (20x0,15)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together with textile fillers

Screen: copper wire braid, coverage min. 90%

Outer sheath: special halogen-free compound, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black

Application:

BiTsound® LP0262 LowNoise Microphone Instal Cable OFC LSOH is designed for transmitting analog signals. The cable is halogen-free and does not emit dense smoke or corrosive gases during combustion. It is suitable for permanent installation. Dedicated to professional and studio applications.

BiTsound® LP0262 LowNoise Microphone Instal Cable OFC LSOH is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- halogen-free with limited emission of toxic and corrosive gases during combustion
- low smoke emission (high light transmission)

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0262	black	2x0,35	6,1	55	14,5	50,0

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® LP0702 Digital Professional Cable OFC AES/EBU

Flexible, stage cable for transmitting AES/EBU and DMX digital signals



internal application



EN 60332-1-2



high flexibility



data transmission



EMC



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: ≤ 53nF/km

Conductor/screen: ≤ 105nF/km

Impedance: 110Ω±10

Min. insulation resistance: 10GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded (20x0,15)

Insulation: foamed PE with a thin, external layer of solid PE

Core identification: white, blue

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound® LP0702 Digital Professional Cable OFC AES/EBU is designed for transmitting analog and digital signals in AES/EBU standard, DMX, RS485, RS232 and dedicated to professional and studio applications. It is double screened with tinned copper wire braid and AL/PET tape with additional drain wire. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0702 Digital Professional Cable OFC AES/EBU is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high-flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0702	black	2x0,35	6,3	55	14,5	50,0

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



BiTsound® LP0218 Hybrid Cable Power 3G1,5 + Microphone 2x0,23 OFC

II. MICROPHONE CABLES

Flexible hybrid cable



internal application



EN 60332-1-2



high flexibility



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Test voltage (power cable, 50Hz): 2000V

Capacitance (microphone cable, 1kHz):

Conductor/conductor: ≤ 65nF/km

Conductor/screen: ≤ 130nF/km

Impedance (microphone cable): 85Ω±5

Min. insulation resistance (microphone cable): 1,0GΩxkm

Min. insulation resistance (power cable): 20MΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Microphone cable:

Conductors: bare copper conductors, multi-stranded (30x0,1)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together with textile fillers

Screen: copper wire braid, coverage min. 90%

Outer sheath: special PVC

Outer sheath colour: black

Power cable:

Conductors: bare copper conductors, stranded class 5 acc. to EN 60228

Insulation: special PVC

Core identification: brown, blue, green-yellow

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Outer sheath: special PVC

Outer sheath colour: black

Hybrid:

Core arrangement: microphone and power cables twisted together with fillers

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound®LP0218 Hybrid Cable Power 3G1,5 + Microphone 2x0,23 OFC is a combination of microphone cable designed for transmitting analog signals and power cable. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0218 Hybrid Cable Power 3G1,5 + Microphone 2x0,23 OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

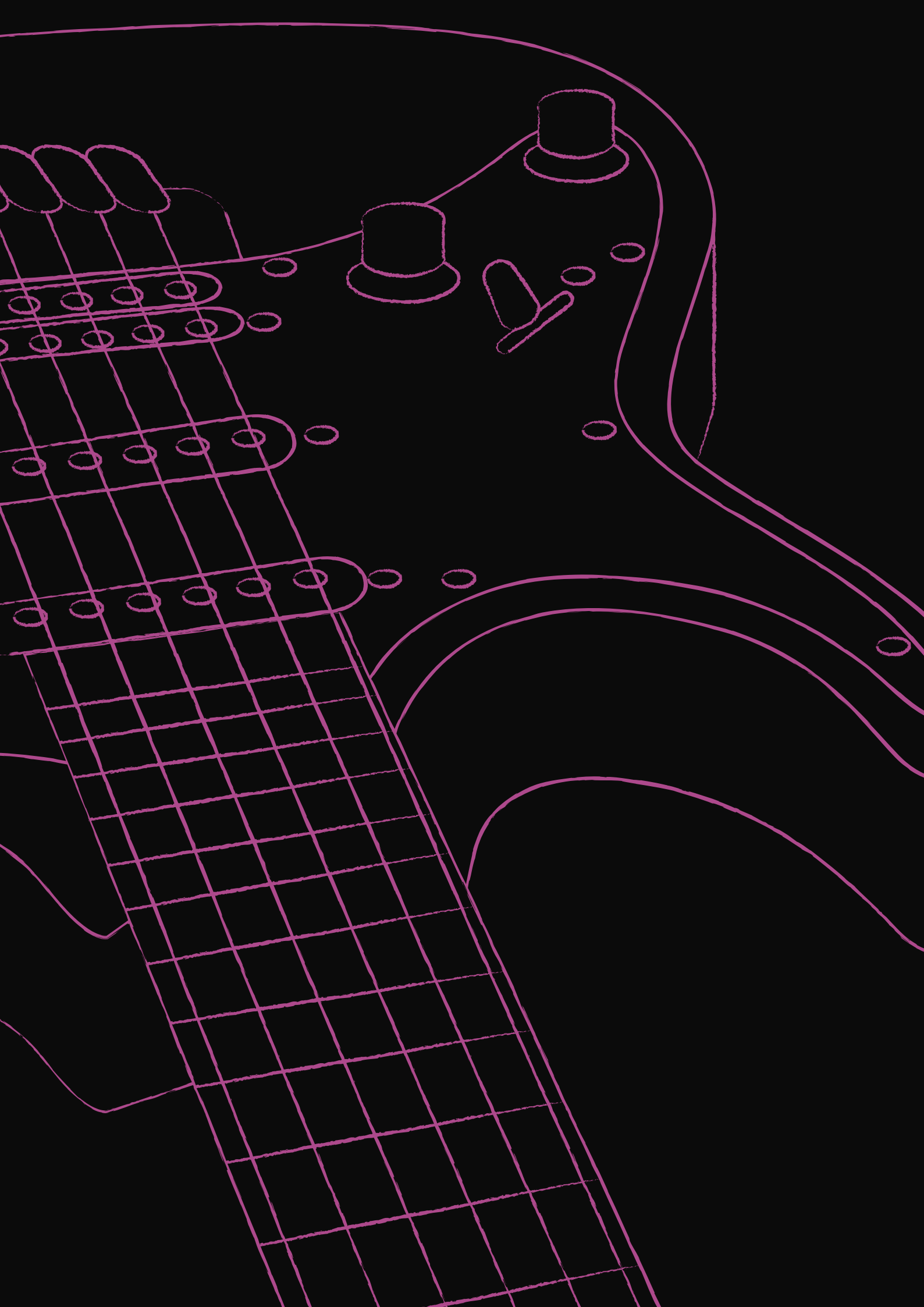
Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. resistance of power conductor 1,5mm ² DC at 20°C [Ω/km]	Max. resistance of power conductor 0,23mm ² DC at 20°C [Ω/km]
LP0218	black	3G1,5+2x0,23	14,2	241	13,3	71,5

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.







CHAPTER III

INSTRUMENT CABLES

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BiTsound® LP0275 High Fidelity Instrument Cable OFC

III. INSTRUMENT CABLES

Flexible coaxial cable



internal
application



EN 60332-1-2



high flexibility



low operating
temperature



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months
warranty



Technical data:

Operating temperature: -20 °C to 70 °C

Min. ambient temperature for fixed installation: -30 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/screen: $\leq 80\text{nF/km}$

Impedance: $65\Omega \pm 5$

Min. insulation resistance: $10\text{G}\Omega \times \text{km}$

Min. bending radius: $5 \times \varnothing$ (\varnothing - cable diameter)

Design:

Conductors: bare copper conductors, stranded class 5 acc. to EN 60228

Insulation:

1st layer: special semi-conductive PVC; black

2nd layer: foamed PE; white

3rd layer: special semi-conductive PVC; black

Screen: copper wire braid, coverage min. 90%

Outer sheath: special PVC

Outer sheath colour: black, red, blue or green; matt

Application:

BiTsound® LP0275 High Fidelity Instrument Cable OFC is designed for transmitting analog signals and dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0275 High Fidelity Instrument Cable OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0275	black	1x0,5	7,0	63	16,0	39,0
LP0275.05	red					
LP0275.07	blue					
LP0275.07	green					

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® LP0212 High Fidelity Instrument Cable OFC

Flexible coaxial cable



internal
application



EN 60332-1-2



high flexibility



low operating
temperature

Technical data:

Operating temperature: -20 °C to 70 °C

Min. ambient temperature for fixed installation: -30 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/screen: $\leq 110\text{nF/km}$

Impedance: $85\Omega \pm 5$

Min. insulation resistance: $10\text{G}\Omega \times \text{km}$

Min. bending radius: $5 \times \varnothing$ (\varnothing - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded class 6 acc. to EN 60228

Insulation:

1st layer: PE

2nd layer: special semi-conductive PVC; black

Screen: copper wire braid, coverage min. 90%

Outer sheath: special PVC

Outer sheath colour: black, red, blue or green; matt

Application:

BiTsound® LP0212 High Fidelity Instrument Cable OFC is designed for transmitting analog signals and dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0212 High Fidelity Instrument Cable OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0212	black	1x0,23	6,0	52	17,5	71,5
LP0212.05	red					
LP0212.06	blue					
LP0212.07	green					

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



BiTsound® LP0173 Twin Instrument Cable OFC

III. INSTRUMENT CABLES

Flexible, non-symmetrical, coaxial instrument cable



internal application



EN 60332-1-2



high flexibility



low operating temperature



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



Technical data:

Operating temperature: -20 °C to 70 °C

Min. ambient temperature for fixed installation: -30 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/screen: $\leq 115\text{nF/km}$

Impedance: $50\Omega \pm 5$

Min. insulation resistance: $1,0\text{G}\Omega\text{xkm}$

Min. bending radius: $5\text{x}\varnothing$ (\varnothing - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded (7x0,18)

Insulation: special PE

Core identification: natural, red

Screen: copper wire braid with coverage min. 80%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound® LP0173 Twin Instrument Cable OFC is flexible, non-symmetrical, coaxial instrumentation cable in common PVC outer sheath. It is dedicated to professional and studio applications as instrumentation and signalling cable as well as for home stereo systems. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0173 Twin Instrument Cable OFC is classified in accordance with **EN 50575 (CPR)**.

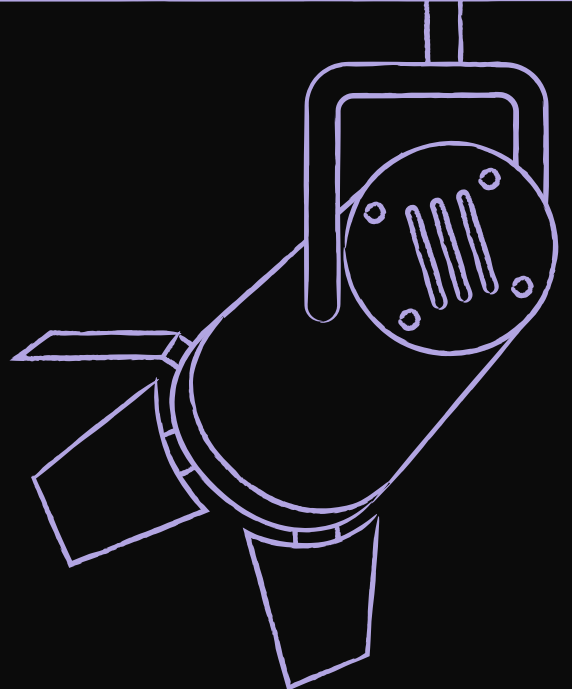
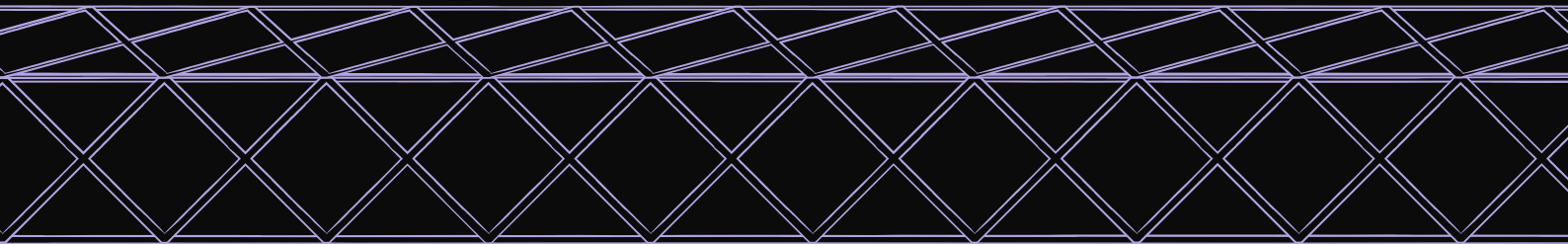
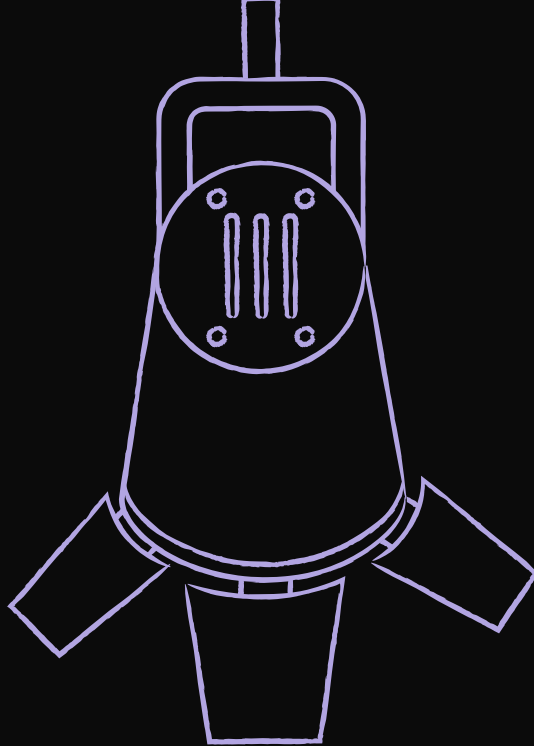
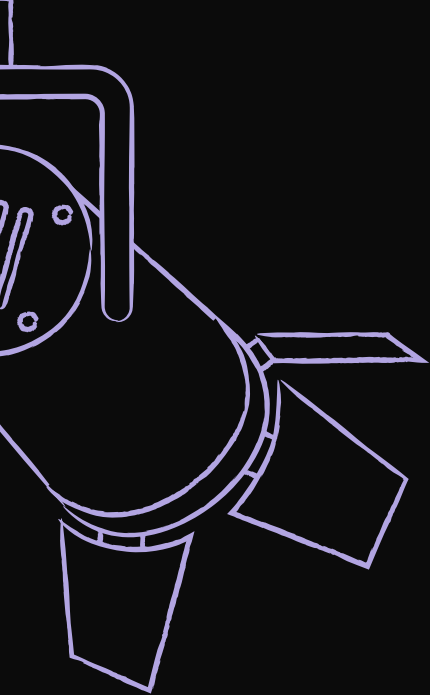
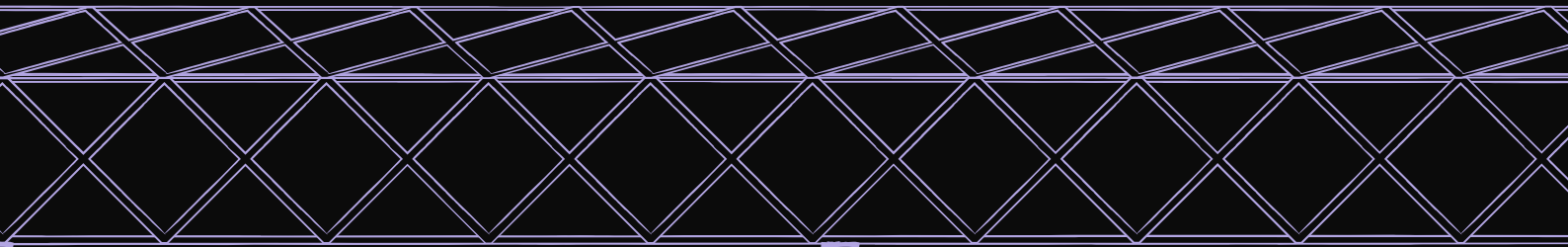
Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect
- construction enabling separation of the conductors

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0173	black	2x0,18	3,2x6,5	31	38,0	95,0

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.





CHAPTER IV

DMX CABLES

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BiTsound® LP0214 DMX 512/1990 Data Cable 110 Ohm OFC

Flexible single pair cable for transmitting digital signals

IV. DMX CABLES



Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: ≤ 60nF/km

Conductor/screen: ≤ 115nF/km

Impedance: 110Ω±10

Min. insulation resistance: 1GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: tinned copper conductors, multi-stranded (8x0,20)

Insulation: special PE

Core identification: white, red

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound®LP0214 DMX 512/1990 Data Cable 110 Ohm OFC is professional, flexible, single pair cable designed for transmitting digital signals e.g. in lighting or stage motion systems. It is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences and improves the quality of transmitted signals. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0214 DMX 512/1990 Data Cable 110 Ohm OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0214	black	1x(2x0,25)	6,0	47	15,5	79

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® LP0215 DMX 512/1990 Data Cable 110 Ohm OFC

Flexible single pair cable for transmitting digital signals



Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: ≤ 62nF/km

Conductor/screen: ≤ 120nF/km

Impedance: 110Ω±10

Min. insulation resistance: 1GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: tinned copper conductors, multi-stranded (20x0,15)

Insulation: special PE

Core identification: white, red

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound®LP0215 DMX 512/1990 Data Cable 110 Ohm OFC is professional, flexible, single pair cable designed for transmitting digital signals e.g. in lighting or stage motion systems. It is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences and improves the quality of transmitted signals. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0215 DMX 512/1990 Data Cable 110 Ohm OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0215	black	1x(2x0,35)	6,4	52	15,5	52,0

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



BiTsound® LP0216 DMX 512/1990 Dual Data Cable 110 Ohm OFC

Flexible, two pair cable for transmitting digital signals

IV. DMX CABLES



internal application



external application



EN 60332-1-2



mechanical resistance



high flexibility



data transmission



EMC



FastConnect



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

conductor/conductor: ≤ 60nF/km

conductor/screen: ≤ 115nF/km

Impedance: 110Ω±10

Min. insulation resistance: 1GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: tinned copper, multi-stranded conductors (8x0,20)

Insulation: special PE

Core identification:

1st pair: white, red

2nd pair: green, blue

Core arrangement: pairs twisted together with textile fillers

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound®LP0216 DMX 512/1990 Dual Data Cable 110 Ohm OFC is professional, flexible, two pair cable designed for transmitting digital signals e.g. in lighting or stage motion systems. It is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences and improves the quality of transmitted signals. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0216 DMX 512/1990 Dual Data Cable 110 Ohm OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0216	black	2x(2x0,25)	7,8	80	15,5	79

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.



BiTsound® LP0562 DMX 512/1990 Data Cable 110 Ohm PUR OFC

Flexible, single pair cable for transmitting digital signals, PUR sheathed



Technical data:

Operating temperature:

Fixed installation: -30 °C to 80 °C

Flexible connections: -5 °C to 80 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: ≤ 60nF/km

Conductor/screen: ≤ 115nF/km

Impedance: 110Ω±10

Min. insulation resistance: 1GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: tinned copper conductors, multi-stranded (8x0,20)

Insulation: special PE

Core identification: white, red

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Outer sheath: special PUR compound, oil resistant (EN 60811-404), resistant to hydrocarbons, industrial coolants, self-extinguishing and flame retardant acc. to EN 60332-1-2, UV resistant

Outer sheath colour: black, matt

Application:

BiTsound® LP0562 DMX 512/1990 Data Cable 110 Ohm PUR OFC is professional, flexible, singlepair cable designed for transmitting digital signals e.g. in lighting or stage motion systems. It is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences and improves the quality of transmitted signals. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0562 DMX 512/1990 Data Cable 110 Ohm PUR OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect
- high environmental and mechanical resistance

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0562	black	1x(2x0,25)	6,0	47	15,5	79

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



BiTsound® LP0561 DMX 512/1990 Data Cable 110 Ohm PUR OFC

Flexible, single pair cable for transmitting digital signals, PUR sheathed

IV. DMX CABLES



Technical data:

Operating temperature:

Fixed installation: -30 °C to 80 °C

Flexible connections: -5 °C to 80 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: ≤ 62nF/km

Conductor/screen: ≤ 120nF/km

Impedance: 110Ω±10

Min. insulation resistance: 1GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: tinned copper conductors, multi-stranded (20x0,15)

Insulation: special PE

Core identification: white, red

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Outer sheath: special PUR compound, oil resistant (EN 60811-404), resistant to hydrocarbons, industrial coolants, self-extinguishing and flame retardant acc. to EN 60332-1-2, UV resistant

Outer sheath colour: black, matt

Application:

BiTsound® LP0561 DMX 512/1990 Data Cable 110 Ohm PUR OFC is professional, flexible, singlepair cable designed for transmitting digital signals e.g. in lighting or stage motion systems.

It is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences and improves the quality of transmitted signals. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0561 DMX 512/1990 Data Cable 110 Ohm PUR OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect
- high environmental and mechanical resistance

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0561	black	1x(2x0,35)	6,4	52	15,5	52,0

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® LP0500 Digital Hybrid Cable OFC

Flexible hybrid cable for transmitting digital signals



internal application



EN 60332-1-2



high flexibility



mechanical resistance



data transmission



EMC



FastConnect



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

Conductor/conductor: ≤ 60nF/km

Conductor/screen: ≤ 115nF/km

Impedance: 110Ω±10

Min. insulation resistance (DMX cable): 1,0GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

DMX cable:

Conductors: tinned copper conductors, multi-stranded (8x0,20)

Insulation: special PE

Core identification: red, white

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Outer sheath: special PVC

Outer sheath colour: black

Hybrid:

Core arrangement: four DMX cables twisted together with fillers

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound® LP0500 Digital Hybrid Cable OFC is suitable for transmission of digital signals e.g. in lighting or stage motion systems. It is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0500 Digital Hybrid Cable OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0500	black	4x(2x0,25)	14,3	226	79

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



BiTsound® LP0560 Digital Hybrid Cable Power 3G1,0 + DMX 1x(2x0,25) OFC

Flexible hybrid cable for transmitting digital signals

IV. DMX CABLES



internal application



external application



EN 60332-1-2



mechanical resistance



high flexibility



data transmission



EMC



FastConnect



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Test voltage (power cable, 50Hz): 2000V

Capacitance (DMX cable, 1kHz):

Conductor/conductor: ≤ 60nF/km

Conductor/screen: ≤ 115nF/km

Impedance (DMX cable): 110Ω±10

Min. insulation resistance (DMX cable): 1,0GΩxkm

Min. insulation resistance (power cable): 20MΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

DMX cable:

Conductors: tinned copper conductors, multi-stranded (8x0,20)

Insulation: special PE

Core identification: red, white

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Outer sheath: special PVC

Outer sheath colour: black

Power cable:

Conductors: bare copper conductors, stranded class 5 acc. to EN 60228

Insulation: special PVC

Core identification: brown, blue, green-yellow

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Outer sheath: special PVC

Outer sheath colour: black

Hybrid:

Core arrangement: DMX and power cable twisted together with fillers

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound® LP0560 Digital Hybrid Cable Power 3G1,0 + DMX 1x(2x0,25) OFC is a combination of DMX cable designed for transmission of digital signals e.g. in lighting or stage motion systems and power cable. DMX cable is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0560 Digital Hybrid Cable Power 3G1,0 + DMX 1x(2x0,25) OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0560	black	3G1,0+1x(2x0,25)	13,5	212	19,5	79

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BITNER®

BiTsound® LP0217 Digital Hybrid Cable Power 3G1,5 + DMX 1x(2x0,25) OFC

Flexible hybrid cable for transmitting digital signals



Technical data:

Operating temperature:

Fixed installation: -30°C to 70°C

Flexible connections: -5°C to 70°C

Min. installation temperature: -5°C

Test voltage (power cable, 50Hz): 2000V

Capacitance (DMX cable, 1kHz):

Conductor/conductor: ≤ 60nF/km

Conductor/screen: ≤ 115nF/km

Impedance (DMX cable): 110Ω±10

Min. insulation resistance (DMX cable): 1,0GΩxkm

Min. insulation resistance (power cable): 20MΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

DMX cable:

Conductors: tinned copper conductors, multi-stranded (8x0,20)

Insulation: special PE

Core identification: red, white

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Outer sheath: special PVC

Outer sheath colour: black

Power cable:

Conductors: bare copper conductors, stranded class 5 acc. to EN 60228

Insulation: special PVC

Core identification: brown, blue, green-yellow

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Outer sheath: special PVC

Outer sheath colour: black

Hybrid:

Core arrangement: DMX and power cable twisted together with fillers

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black matt

Application:

BiTsound® LP0217 Digital Hybrid Cable Power 3G1,5 + DMX 1x(2x0,25) OFC is a combination of DMX cable designed for transmission of digital signals e.g. in lighting or stage motion systems and power cable. DMX cable is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0217 Digital Hybrid Cable Power 3G1,5 + DMX 1x(2x0,25) OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

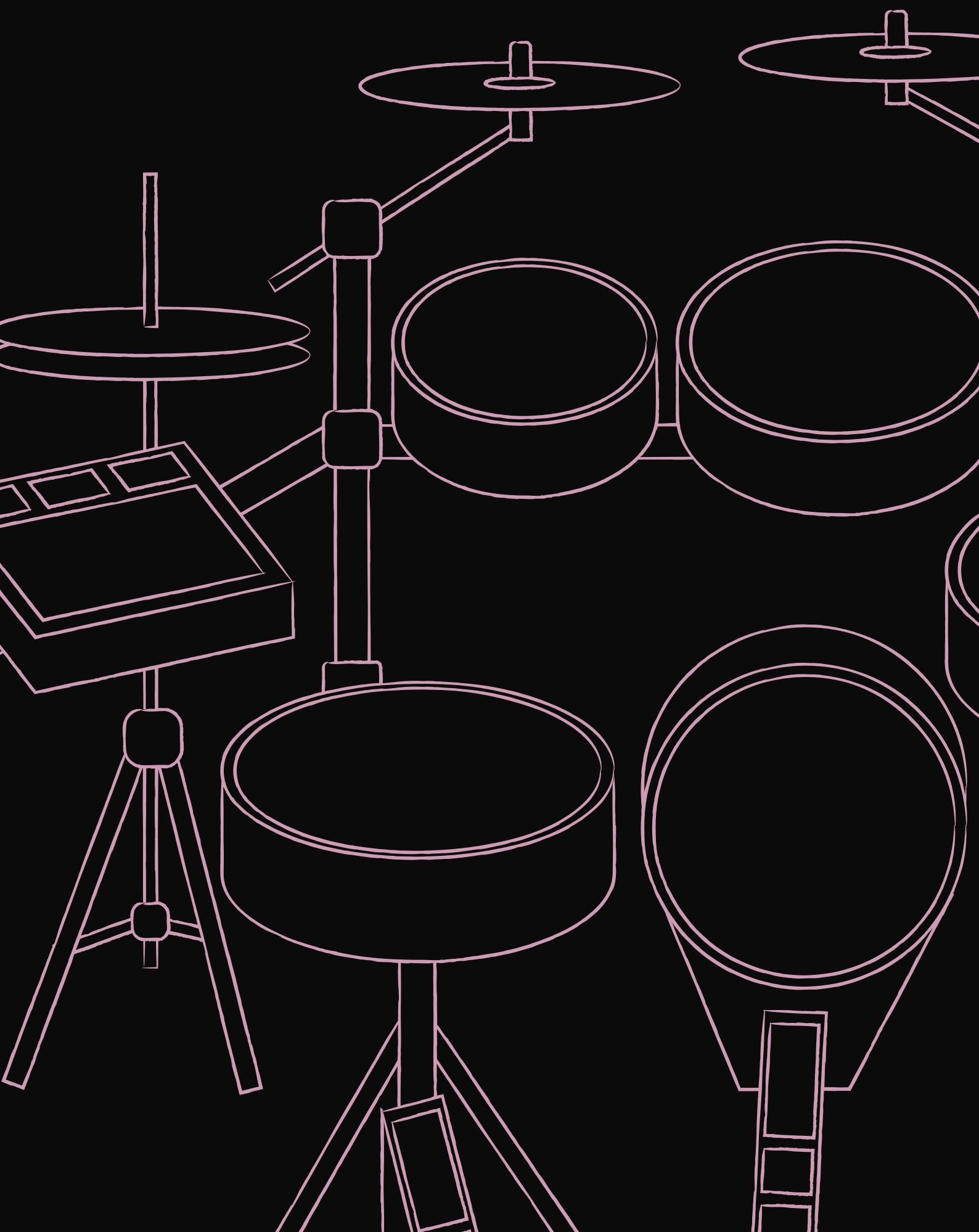
Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0217	black	3G1,5+1x(2x0,25)	13,7	228	13,3	79

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BITNER®

IV. DMX CABLES





CHAPTER V

MULTIPAIRED CABLES

BiTsound® MultiPaired Analog Audio Cable	48
BiTsound® MultiPaired AES/EBU Audio Cable	49

BiTsound® MultiPaired Analog Audio Cable

V. MULTIPAIRED CABLES

Flexible, multi-paired, screened audio cable



internal application



external application



EN 60332-1



mechanical resistance



high flexibility



EMC



FastConnect



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30°C to 70°C

Flexible connections: -5°C to 70°C

Min. installation temperature: -5°C

Max. conductor resistance DC at 20°C: 84,2Ω/km

Capacitance (at 1kHz):

Conductor/conductor: ≤ 85nF/km

Conductor/screen: ≤ 158nF/km

Impedance: 65Ω±5

Min. insulation resistance: 1,0GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Construction:

Conductors: bare copper conductors, multi-stranded class 6 as per EN 60228 (26x0,1)

Insulation: special PE

Core identification (in pairs): red, natural

Core arrangement: cores twisted together in pairs

Screen: aluminium backed polyester tape with tinned copper drain wire underneath

Pair-sheathing compound: special PVC

Core arrangement: PVC-sheathed pairs twisted together

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1

Outer sheath colour: black, matt

Application:

BiTsound® MultiPaired Analog Audio Cables are designed for transmitting analog signals and dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® MultiPaired Analog Audio Cables are classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	nxmm ²	Nominal O.D. [mm]	Nominal weight [kg/km]
LP0220	2x(2x0,21)	8,1	81
LP0221	4x(2x0,21)	9,5	115
LP0222	8x(2x0,21)	14,4	233
LP0248	12x(2x0,21)	15,2	2863
LP0223	16x(2x0,21)	16,8	63

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: On customer's request other cross sections or number of cores can be produced.



BiTsound® MultiPaired AES/EBU Audio Cable

Flexible, multi-paired, screened audio cable



Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Max. resistance of power conductors DC at 20°C: 84,2Ω/km

Capacitance (at 1kHz):

Conductor/conductor: ≤ 50nF/km

Conductor/screen: ≤ 110nF/km

Impedance: 110Ω±10

Min. insulation resistance: 1,0GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, multi-stranded class 6 as per EN 60228 (26x0,1)

Insulation: foamed PE with a thin, external layer of solid PE

Core identification (in pairs): white, blue

Core arrangement: cores twisted together in pairs

Screen: aluminium backed polyester tape with tinned copper drain wire underneath

Pair-sheathing compound: special PVC

Core arrangement: PVC-sheathed pairs twisted together

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1

Outer sheath colour: black, matt

Application:

BiTsound® MultiPaired AES/EBU Audio Cables are designed for transmitting analog and digital signals in AES/EBU standard. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® MultiPaired AES/EBU Audio Cables are classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	n x mm²	Nominal O.D. [mm]	Nominal weight [kg/km]
LP0661	2x(2x0,21)	9,2	96
LP0672	4x(2x0,21)	10,8	132
LP0662	8x(2x0,21)	14,4	232
LP0673	12x(2x0,21)	17,1	309
LP0664	16x(2x0,21)	19,1	389

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.

V. MULTIPAIRED CABLES



IS 2011/65/EU



D 2014/35/EU

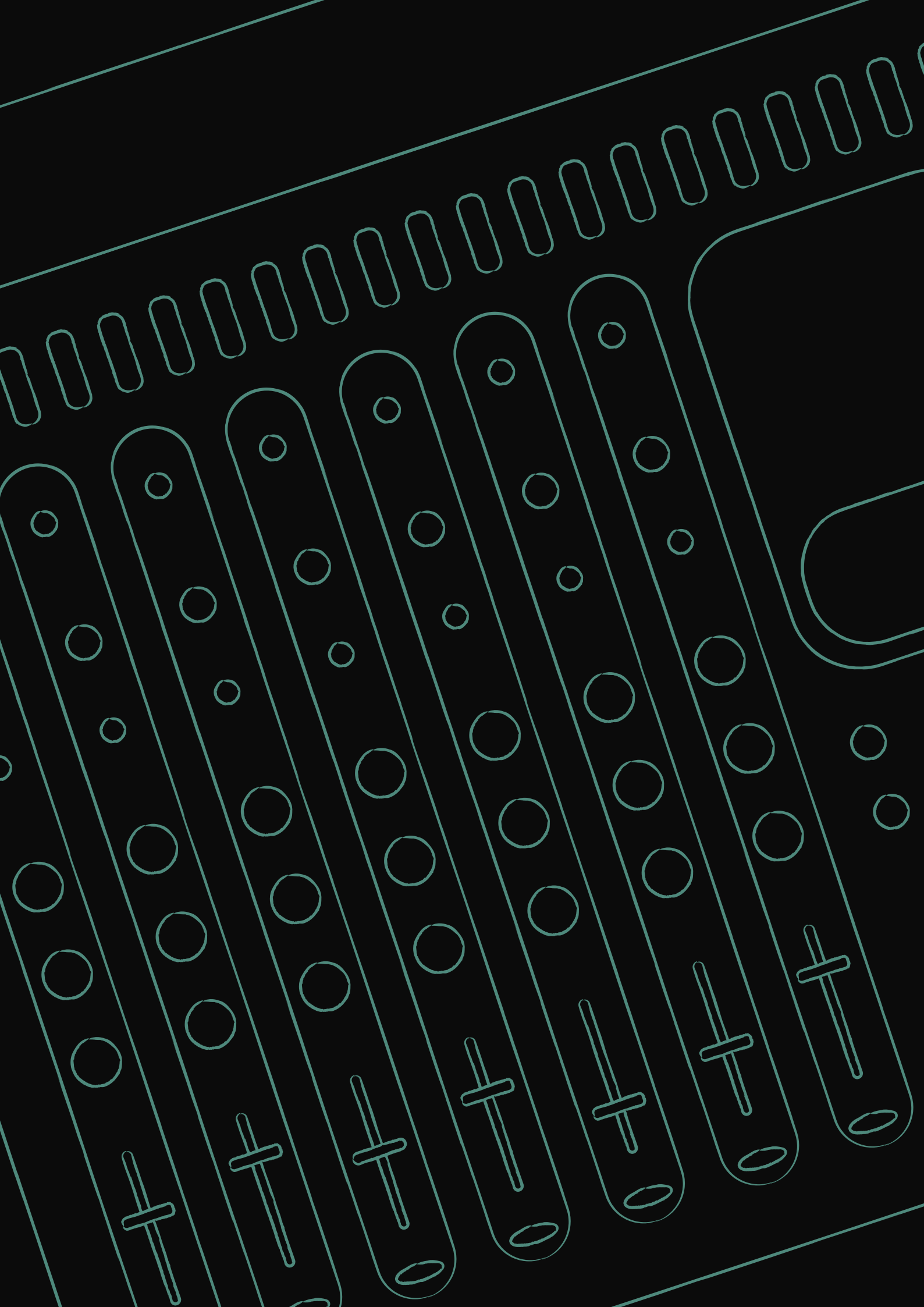


CPR 305/2011



24 months warranty





CHAPTER VI

DATA TRANSMISSION CABLES

BiTsound® LP0900 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e	52
BiTsound® LP0910 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6	53
BiTsound® LP0901 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e PUR	54
BiTsound® LP0911 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 PUR	55
BiTsound® LP0930 MOBILE DATA PATCHCORD CABLE S/FTP cat. 7	56
BiTsound® LP0501 Hybrid Cable Power 3G1,5	
+ MOBILE DATA PATCHCORD U/UTP cat. 5e OFC	57
BiTsound® LP0499 Hybrid Cable Power 3G1,5	
+ MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC	58

BiTsound® LP0900 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e

Screened data transmission cable designed for computer networks



internal application



external application



EN 60332-1-2



UV resistance



high flexibility



data transmission



low operating temperature

Technical Data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 50 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

conductor/conductor: ≤ 60nF/km

conductor/screen: ≤ 80nF/km

Impedance (at 100MHz): 100Ω ± 5

Min. insulation resistance: 1,0GΩxkm

Min. bending radius:

During operation: 6xØ (Ø - cable diameter)

During installation: 8xØ (Ø - cable diameter)

Design:

Conductors: tinned copper conductors, multi-stranded (26AWG/7 (0,18mm²))

Insulation: special PE

Core identification:

1st pair: blue, white-blue

2nd pair: orange, white-orange

3rd pair: green, white-green

4th pair: brown, white-brown

Core arrangement: cores twisted in pairs; pairs twisted together on a centrally located cross spacer

Inner sheath: special PVC

Screen: tinned copper wire braid with coverage min 80%

Outer sheath: special PVC compound, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound® LP0900 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e is applicable to computer networks with frequency up to 100 MHz and bandwidth up to 1 Gb/s. The cable is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. It has collective CuSn screen acting as a protection against external electromagnetic interferences and is dedicated to professional and studio applications, both for fixed installation and flexible connections. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0900 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

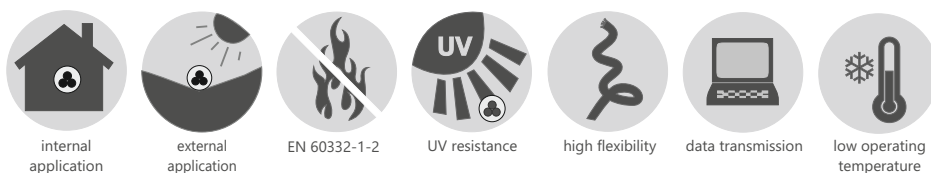
- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Item	n x 2 x AWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max screen resistance DC at 20°C [Ω/km]	DC loop resistance at 20°C (max)
LP0900	S/UTP cat. 5e	4x2x26AWG/7	7,1	62	18	220

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® LP0910 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6

Screened data transmission cable designed for computer networks



Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 50 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

conductor/conductor: $\leq 60\text{nF/km}$

conductor/screen: $\leq 85\text{nF/km}$

Impedance (at 100MHz): $100\Omega \pm 5$

Min. insulation resistance: $1,0\text{G}\Omega \times \text{km}$

Insulated conductor diameter: $0,97 \pm 0,05\text{mm}$

Min. bending radius:

During operation: $6 \times \varnothing$ (\varnothing - cable diameter)

During installation: $8 \times \varnothing$ (\varnothing - cable diameter)

Design:

Conductors: tinned copper conductors, multi-stranded (26AWG/7 (0,18mm²))

Insulation: special PE

Core identification:

1st pair: blue, white-blue

2nd pair: orange, white-orange

3rd pair: green, white-green

4th pair: brown, white-brown

Core arrangement: cores twisted in pairs; pairs twisted together on a centrally located cross spacer

Inner sheath: special PVC

Screen: tinned copper wire braid with coverage min 80%

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound® LP0910 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 is applicable to computer networks with frequency up to 250 MHz and bandwidth up to 1 Gb/s. The cable is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. It has collective CuSn screen acting as a protection against external electromagnetic interferences and is dedicated to professional and studio applications, both for fixed installation and flexible connections. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0910 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Item	n x 2 x AWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max screen resistance DC at 20°C [Ω/km]	DC loop resistance at 20°C (max)
LP0910	S/UTP cat. 6	4x2x26AWG/7	7,9	71	18	220

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



BiTsound® LP0901 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e PUR

Screened data transmission cable designed for computer networks, PUR sheathed



Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 50 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

conductor/conductor: ≤ 60nF/km

conductor/screen: ≤ 80nF/km

Impedance (at 100MHz): 100Ω±5

Min insulation resistance: 1,0GΩxkm

Insulated conductor diameter: 0,97 ± 0,05mm

Min. bending radius:

During operation: 6xØ (Ø - cable diameter)

During installation: 8xØ (Ø - cable diameter)

Design:

Conductors: tinned copper conductors, multi-stranded (26AWG/7 (0,18mm²))

Insulation: special PE

Core identification:

1st pair: blue, white-blue

2nd pair: orange, white-orange

3rd pair: green, white-green

4th pair: brown, white-brown

Core arrangement: cores twisted in pairs, pairs twisted together

Inner sheath: special PVC

Screen: tinned copper wire braid with coverage min 80%

Outer sheath: special PUR compound, oil resistant (EN 60811-404), resistant to hydrocarbons, industrial coolants, self-extinguishing and flame retardant acc. to EN 60332-1-2, UV resistant

Outer sheath colour: black, matt

Application:

BiTsound® LP0901 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e PUR is applicable to computer networks with frequency up to 100 MHz and bandwidth up to 1 Gb/s. The cable is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. It has collective CuSn screen acting as a protection against external electromagnetic interferences and is dedicated to professional and studio applications, both for fixed installation and flexible connections. Polyurethane outer sheath ensures very high environmental and improved mechanical resistance. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0901 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e PUR is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect
- high environmental and chemical resistance

Cat. no.	Item	n x 2 x AWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max screen resistance DC at 20°C [Ω/km]	DC loop resistance at 20°C (max)
LP0901	S/UTP cat. 5e	4x2x26AWG/7	7,1	60	18	220

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® LP0911 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 PUR

Screened data transmission cable designed for computer networks, PUR sheathed



Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 50 °C

Min. installation temperature: -5 °C

Capacitance (at 1kHz):

conductor/conductor: ≤ 60nF/km

conductor/screen: ≤ 85nF/km

Impedance (at 100MHz): 100Ω±5

Min. insulation resistance: 1,0GΩxkm

Insulated conductor diameter: 0,97 ± 0,05mm

Min. bending radius:

During operation: 6xØ (Ø - cable diameter)

During installation: 8xØ (Ø - cable diameter)

Design:

Conductors: tinned copper conductors, multi-stranded (26AWG/7 (0,18mm²))

Insulation: special PE

Core identification:

1st pair: blue, white-blue

2nd pair: orange, white-orange

3rd pair: green, white-green

4th pair: brown, white-brown

Core arrangement: cores twisted in pairs; pairs twisted together on a centrally located cross spacer

Inner sheath: special PVC

Screen: tinned copper wire braid with coverage min 80%

Outer sheath: special PUR compound, oil resistant (EN 60811-404), resistant to hydrocarbons, industrial coolants, self-extinguishing and flame retardant acc. to EN 60332-1-2, UV resistant

Outer sheath colour: black, matt

Application:

BiTsound® LP0911 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 PUR is applicable to computer networks with frequency up to 250 MHz bandwidth up to 1 Gb/s. The cable is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. It has collective CuSn screen acting as a protection against external electromagnetic interferences and is dedicated to professional and studio applications, both for fixed installation and flexible connections. Polyurethane outer sheath ensures very high environmental and improved mechanical resistance. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0911 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 PUR is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect
- high environmental and chemical resistance

Cat. no.	Item	n x 2 x AWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max screen resistance DC at 20°C [Ω/km]	DC loop resistance at 20°C (max)
LP0911	S/UTP cat. 6	4x2x26AWG/7	7,9	68	18	220

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



BiTsound® LP0930 MOBILE DATA PATCHCORD CABLE S/FTP cat. 7

Screened data transmission cable designed for computer networks, PVC sheathed



internal application



external application



PN-EN 60332-1-2



UV resistance



high flexibility



data transmission

Technical data:

Operating temperature:

Fixed installation: -30°C to 70°C

Flexible connections: -5°C to 50°C

Min. installation temperature: -5°C

Capacitance (at 1kHz):

conductor/conductor: ≤ 54nF/km

conductor/screen: ≤ 82nF/km

Impedance (at 100MHz): 100Ω±5

Min. insulation resistance: 1,0GΩxkm

Insulated conductor diameter: 1,20 ± 0,05mm

Min. bending radius:

During operation: 6xØ (Ø - cable diameter)

During installation: 8xØ (Ø - cable diameter)

Design:

Conductors: tinned copper conductors, multi-stranded (26AWG/7 (0,18mm²))

Insulation: special foam-skin PE compound

Core identification:

1st pair: blue, white

2nd pair: orange, white

3rd pair: green, white

4th pair: brown, white

Core arrangement: cores twisted in pairs; screened pairs twisted together

Screen 1: aluminium backed polyester tape on every pair

Screen 2: tinned copper wire braid with coverage ≥ 100%

Outer sheath: special PVC, self-extinguishing and flame retardant (as per EN 60332-1-2), UV resistant

Outer sheath colour: black, matt

Application:

Screened data transmission cable designed for computer networks with operating frequency band up to 600MHz. Suitable for transmission of data, audio and video signals with bitrate up to 10 Gb/s. It is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. The cable is dedicated to professional and studio applications in both fixed and mobile connections. Matt outer sheath eliminates the light reflection effect. BiTsound LP0930 MOBILE DATA PATCHCORD CABLE S/FTP cat. 7 is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Item	n x 2 x AWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max screen resistance DC at 20°C [Ω/km]	DC loop resistance at 20°C (max)
LP0930	S/FTP cat. 7	4x2x26AWG/7	7,5	63,9	16	220

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



BiTsound® LP0930 MOBILE DATA PATCHCORD CABLE S/FTP cat. 7

BiTsound® LP0501 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD U/UTP cat. 5e OFC

Flexible, hybrid cable with power conductors, designed for computer networks



internal
application



external
application



EN 60332-1-2



UV resistance



high flexibility



data transmission



low operating
temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 50 °C

Min. installation temperature: -5 °C

Test voltage: power conductor 50Hz: 2000V

Capacitance: U/UTP (at 1kHz):

conductor/conductor: ≤ 60nF/km

Impedance (at 100MHz): U/UTP: 100Ω±5

Min. insulation resistance: U/UTP: 1,0GΩxkm

Min. insulation resistance: power conductor: 20MΩxkm

Insulated conductor diameter: U/UTP: 0,97 ± 0,05mm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

U/UTP:

Cores: tinned copper conductors, multi-stranded (26AWG/7 (0,18mm²))

Insulation: special PE

Core identification in pairs:

1st pair: blue, white-blue

2nd pair: orange, white-orange

3rd pair: green, white-green

4th pair: brown, white-brown

Core arrangement: cores twisted in pairs; pairs twisted together on a centrally located cross spacer

Sheath: special PVC

Sheath colour: black

Power cable:

Cores: bare copper, multi-stranded class 5, acc. to EN 60228

Insulation: special PVC

Core identification: brown, blue, green-yellow

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Sheath: special PVC

Sheath colour: black

Hybrid:

Core arrangement: power cable and U/UTP twisted together with fillers

Sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Sheath colour: black, matt

Application:

BiTsound®LP0501 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD U/UTP cat. 5e OFC is composed of data transmission cable designed for computer networks with frequency up to 100 MHz and bandwidth up to 1 Gb/s and power cable. U/UTP is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0501 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD U/UTP cat. 5e OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x 2 x AWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max screen resistance DC at 20°C [Ω/km]	DC loop resistance at 20°C (max)
LP0501	black	3G1,5+4x2x26AWG/7	15,9	288	13,3	220

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



BiTsound® LP0499 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC

Flexible, hybrid cable with power conductors, designed for computer networks



internal application



external application



EN 60332-1-2



UV resistance



high flexibility



data transmission



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 50 °C

Min. installation temperature: -5 °C

Test voltage: power conductor 50Hz: 2000V

Capacitance: U/UTP (at 1kHz):

conductor/conductor: ≤ 60nF/km

Impedance (at 100MHz): U/UTP: 100Ω±5

Min. insulation resistance: U/UTP: 1,0GΩxkm

Min. insulation resistance: power conductor: 20MΩxkm

Insulated conductor diameter: U/UTP: 0,97 ± 0,05mm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

U/UTP:

Cores: tinned copper conductors, multi-stranded (26AWG/7 (0,18mm²))

Insulation: special PE

Core identification in pairs:

1st pair: blue, white-blue

2nd pair: orange, white-orange

3rd pair: green, white-green

4th pair: brown, white-brown

Core arrangement: cores twisted in pairs; pairs twisted together on a centrally located cross spacer

Sheath: special PVC

Sheath colour: black

Power cable:

Cores: bare copper, multi-stranded class 5, acc. to EN 60228

Insulation: special PVC

Core identification: brown, blue, green-yellow

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Sheath: special PVC

Sheath colour: black

Hybrid:

Core arrangement: power cable and 2xU/UTP twisted together twisted together with fillers

Sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Sheath colour: black, matt

Application:

BiTsound®LP0499 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC is composed of data transmission cable designed for computer networks with frequency up to 100 MHz and bandwidth up to 1 Gb/s and power cable. U/UTP is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0499 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

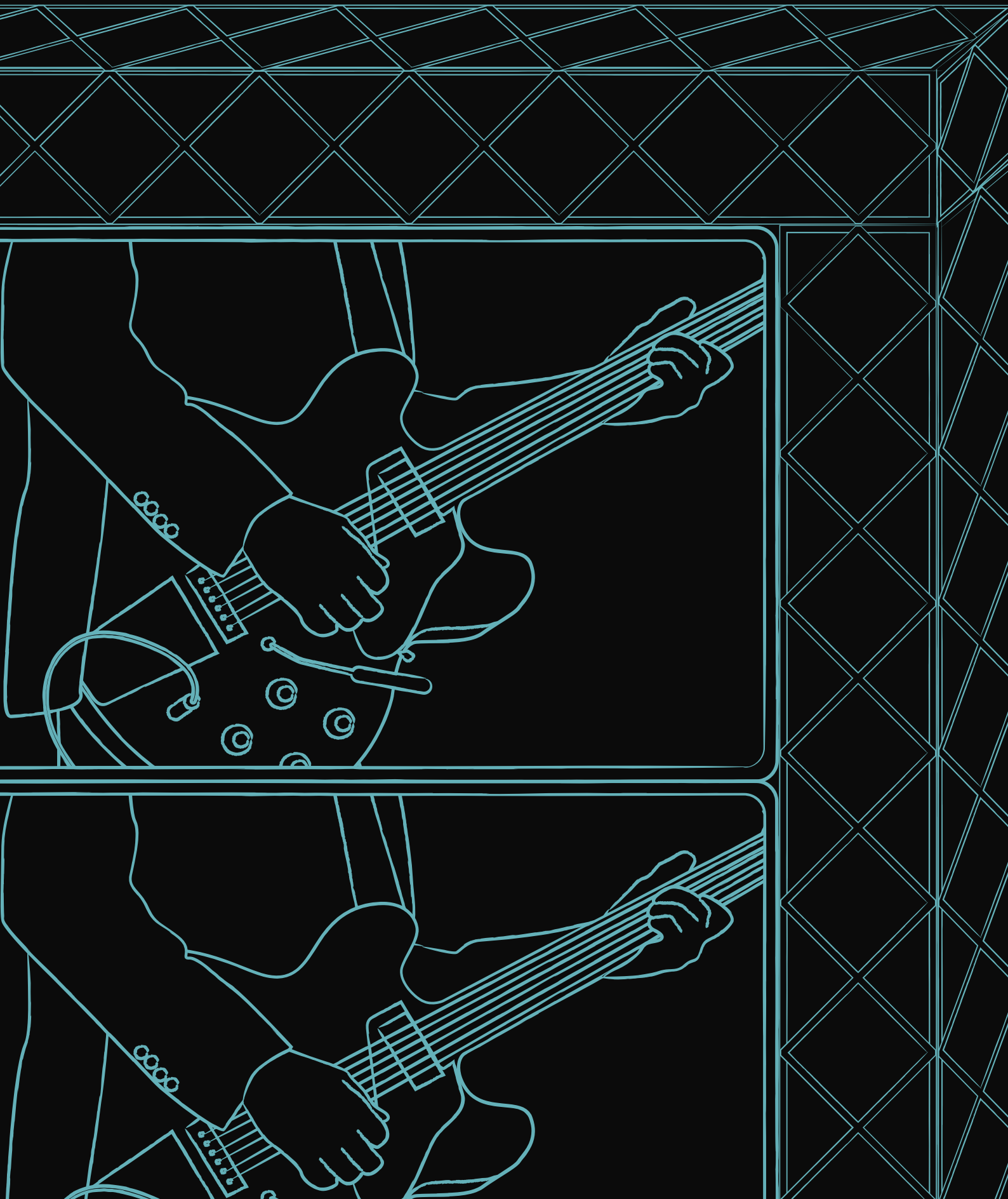
- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x 2 x AWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. resistance of power conductors 1,5mm ² DC at 20°C [Ω/km]	DC loop resistance at 20°C (max)
LP0499	black	3G1,5+2x(4x2x26AWG/7)	16,9	297	13,3	220

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.





CHAPTER VII

POWER CABLES

BiTsound® Power Cable 300/500V	62
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BiTsound® Power Cable 300/500V

Flexible, unscreened power cable

VII. POWER CABLES



indoor application



outdoor application



EN 60332-1-2



UV resistance



high flexibility



low operating temperature

Technical data:

Operating temperature: -30 °C to 80 °C

Min. ambient temperature for fixed installation: -40 °C

Min. installation temperature: -5 °C

Test voltage 50Hz: 3000V

Min. insulation resistance: 20MΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, stranded class 5 acc. to EN 60228

Insulation: special PVC

Core identification:

- 3-core cables: brown, blue, green-yellow

- >5 cores cables: black, numbered conductors; protective earth conductor marked G (e.g. 7G1,5)

Core arrangement: cores twisted together

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2; UV-resistant

Outer sheath colour: black, matt

Application:

BiTsound® Power Cables 300/500V are designed for supplying power to low voltage electric and portable devices. It is suitable for indoor and outdoor installations in places exposed to UV-radiation and other atmospheric conditions. Matt outer sheath eliminates the light reflection effect.

BiTsound® Power Cables 300/500V are classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- thermal stability
- matt outer sheath eliminating the light reflection effect

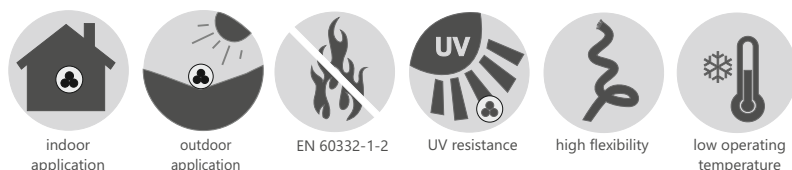
Cat. no.	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Cu index [kg/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0602	3G1,0	8,5	105	28,8	19,50
LP0600	3G1,5	8,9	123	43,2	13,30
LP0601	3G2,5	11,0	190	72,0	7,98
LP0603	14G1,5	13,8	342	201,6	13,30
LP0604	14G2,5	17,0	525	336,0	7,98
LP0263	18G1,5	15,3	428	259,2	13,30
LP0278	18G2,5	19,0	664	432,0	7,98

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® Power Cable 450/750V

Flexible, unscreened power cable



Technical data:

Operating temperature: -30 °C to 80 °C
Min. ambient temperature for fixed installation: -40 °C
Min. installation temperature: -5 °C
Test voltage 50Hz: 3500V
Min. insulation resistance: 20MΩxkm
Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Conductors: bare copper conductors, stranded class 5 acc. to EN 60228
Insulation: special PVC
Core identification: brown, blue, black, grey, green-yellow
Core arrangement: cores twisted together
Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2; UV-resistant
Outer sheath colour: black, matt

Application:

BiTsound® Power Cables 450/750V are designed for supplying power to low voltage electric and portable devices. They are suitable for indoor and outdoor installations in places exposed to UV-radiation and other atmospheric conditions. Matt outer sheath eliminates the light reflection effect.

BiTsound® Power Cables 450/750V are classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- thermal stability
- matt outer sheath eliminating the light reflection effect

Cat. no.	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Cu index [kg/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0610	5G4,0	14,0	365	192	4,95
LP0611	5G6,0	15,7	485	288	3,30
LP0612	5G10	18,8	758	480	1,91

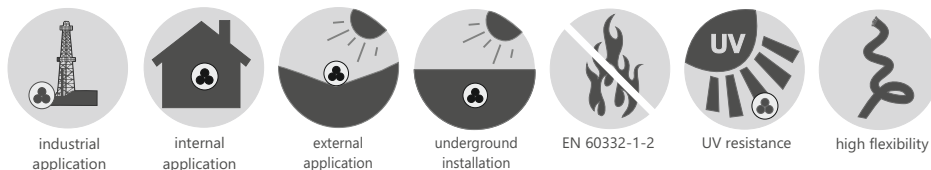
Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



BiT 1000® Power 0,6/1kV

Flexible power cables

VII. POWER CABLES



Technical data:

Operating temperature:

Fixed installation: -40 °C to 80 °C

Flexible connections: -5 °C to 80 °C

Max. conductor operating temperature: 90 °C

Max. conductor temperature in short-circuit: 250 °C

Operating voltage: $U_0/U = 0,6/1\text{kV}$

Test voltage (50Hz): 4000V

Min. bending radius:

Flexible connections: $10 \times \varnothing$ (\varnothing - cable diameter)

Fixed installation: $6 \times \varnothing$ (\varnothing - cable diameter)

Design:

Conductors: bare, annealed copper conductors, multi-stranded class 5 acc. to EN 60228

Insulation: XLPE

Core identification: coloured conductors (see the table with conductor insulation colours), cables with protective earth conductor marked G (e.g. 7G1,5)

Core arrangement: cores twisted together

Inner sheath: special PVC (cables up to 10mm^2 and single core cables are manufactured without inner sheath)

Outer sheath: special PVC, oil resistant (see table of chemical resistance), self-extinguishing and flame retardant (acc. to EN 60332-1-2), UV resistant

Outer sheath colour: black

Application:

BiT 1000® Power 0,6/1kV cables are designed for supplying power to electric devices and working in low voltage energy networks. Flexible construction enables easy and fast connections as well as application as power supply cables for portable devices. Cables are suitable for operation in dry and damp rooms as well as for outdoor installations. Outer sheath is UV resistant. Cables designed also for direct burial in ground.

BiT 1000® Power 0,6/1kV cables are classified according to **EN 50575 (CPR)**.



BiT 1000® Power 0,6/1kV

Flexible power cables

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
EM9050	2x1,5	9,1	112	28,8
EM9051	3G1,5	9,6	130	43,2
EM9052	3x1,5	9,6	130	43,2
EM9053	4G1,5	10,5	154	57,6
EM9054	4x1,5	10,5	154	57,6
EM9055	5G1,5	11,2	178	72,0
EM9056	2x2,5	10,2	146	48,0
EM9057	3G2,5	10,8	172	72,0
EM9058	3x2,5	10,8	172	72,0
EM9059	4G2,5	11,8	210	96,0
EM9060	4x2,5	11,8	210	96,0
EM9061	5G2,5	12,7	245	120,0
EM9062	2x4,0	11,3	195	76,8
EM9063	3G4,0	11,9	235	115,2
Em9064	3x4,0	11,9	235	115,2
EM9065	4G4,0	13,1	285	153,6
EM9066	4x4,0	13,1	285	153,6
EM9067	5G4,0	14,1	340	192,0
EM9068	2x6,0	12,3	250	115,2
EM9069	3G6,0	13,0	305	172,8
EM9070	3x6,0	13,0	305	172,8
EM9071	4G6,0	14,4	380	230,4
EM9072	4x6,0	14,4	380	230,4
EM9073	5G6,0	15,5	450	288,0
EM9074	2x10	14,1	360	192,0
EM9075	3G10	15,0	450	288,0
EM9076	3x10	15,0	450	288,0
EM9077	4G10	16,6	565	384,0
EM9078	4x10	16,6	565	384,0
EM9108	5G70	43,0	4300	3360,0
EM9109	3G95	39,3	3600	2736,0
EM9110	3x95	39,3	3600	2736,0
EM9111	4G95	43,9	4580	3648,0
EM9112	4x95	43,9	4580	3648,0
EM9113	5G95	48,0	5580	4560,0
EM9114	3G120	42,9	4500	3456,0
EM9115	3x120	42,9	4500	3456,0
EM9116	4G120	48,1	5740	4608,0
EM9117	4x120	48,1	5740	4608,0
EM9118	5G120	52,4	6980	5760,0
EM9119	3G150	48,4	5500	4320,0
EM9120	3x150	48,4	5500	4320,0

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
EM9079	5G10	17,9	680	480,0
EM9080	2x16	17,6	555	307,2
EM9081	3G16	18,6	700	460,8
EM9082	3x16	18,6	700	460,8
EM9083	4G16	21,0	895	614,4
EM9084	4x16	21,0	895	614,4
EM9085	5G16	22,8	1080	768,0
EM9086	2x25	21,8	855	480,0
EM9087	3G25	23,3	1100	720,0
EM9088	3x25	23,3	1100	720,0
EM9089	4G25	25,9	1390	960,0
EM9090	4x25	25,9	1390	960,0
EM9091	5G25	28,0	1660	1200,0
EM9092	2x35	24,2	1110	672,0
EM9093	3G35	25,8	1440	1008,0
EM9094	3x35	25,8	1440	1008,0
EM9095	4G35	28,8	1820	1344,0
EM9096	4x35	28,8	1820	1344,0
EM9097	5G35	31,2	2180	1680,0
EM9098	2x50	28,0	1520	960,0
EM9099	3G50	29,9	1960	1440,0
EM9100	3x50	29,9	1960	1440,0
EM9101	4G50	34,4	2580	1920,0
EM9102	4x50	34,4	2580	1920,0
EM9103	5G50	37,2	3100	2400,0
EM9104	3G70	35,4	2800	2016,0
EM9105	3x70	35,4	2800	2016,0
EM9106	4G70	39,5	3560	2688,0
EM9107	4x70	39,5	3560	2688,0
EM9121	4G150	54,4	7040	5760,0
EM9122	4x150	54,4	7040	5760,0
EM9123	5G150	59,5	8500	7200,0
EM9124	3G185	54,8	6800	5328,0
EM9125	3x185	54,8	6800	5328,0
EM9126	4G185	61,6	8680	7104,0
EM9127	4x185	61,6	8680	7104,0
EM9128	5G185	67,3	10540	8880,0
EM9129	3G240	61,6	8780	6912,0
EM9130	3x240	61,6	8780	6912,0
EM9131	4G240	69,4	11240	9216,0
EM9132	4x240	69,4	11240	9216,0
EM9133	5G240	75,6	13620	11520,0

Single core cables with protective core

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
EM9145	1G1,5	5,6	44	14,4
EM9146	1G2,5	6,2	58	24,0
EM9147	1G4,0	6,7	76	38,4
EM9148	1G6,0	7,2	96	57,6
EM9149	1G10	8,2	142	96,0
EM9150	1G16	9,2	196	153,6
EM9151	1G25	10,9	295	240,0
EM9152	1G35	12,0	385	336,0
EM9153	1G50	14,0	530	480,0
EM9154	1G70	16,0	740	672,0
EM9155	1G95	17,9	960	912,0
EM9156	1G120	19,4	1210	1152,0
EM9157	1G150	21,9	1470	1440,0
EM9158	1G185	24,7	1790	1776,0
EM9159	1G240	27,7	2320	2304,0
EM9160	1G300	30,4	2980	2880,0
EM9161	1G400	34,1	4100	3840,0

Single core cables without protective core

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
EM9162	1x1,5	5,6	44	14,4
EM9163	1x2,5	6,2	58	24,0
EM9164	1x4,0	6,7	76	38,4
EM9165	1x6,0	7,2	96	57,6
EM9166	1x10	8,2	142	96,0
EM9167	1x16	9,2	196	153,6
EM9168	1x25	10,9	295	240,0
EM9169	1x35	12,0	385	336,0
EM9170	1x50	14,0	530	480,0
EM9171	1x70	16,0	740	672,0
EM9172	1x95	17,9	960	912,0
EM9173	1x120	19,4	1210	1152,0
EM9174	1x150	21,9	1470	1440,0
EM9175	1x185	24,7	1790	1776,0
EM9176	1x240	27,7	2320	2304,0
EM9177	1x300	30,4	2980	2880,0
EM9178	1x400	34,1	4100	3840,0

Cables without protective conductor are marked with x (e.g. 3x50)/Cables with protective conductor are marked with G (e.g. 3G50)

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.

BiT 1000® Power 0,6/1kV

Flexible power cables

number of conductors	conductor installation colours
cables without protective conductors	
1	black
2	blue, brown
3	brown, black, grey
4	blue, brown, black, grey
5	blue, brown, black, grey, black
cables with protective conductors	
3	green-yellow, blue, brown
4	green-yellow, brown, black, grey
5	green-yellow, blue, brown, black, grey

Long term current rating for 3-, 4- and 5-core cables laid as single in air or in ground, operating in 3-phase symmetrical systems

section mm ²	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
air 30°C	23	32	42	53	75	100	133	162	197	250	308	359	412	475	564
ground 20°C	31	40	52	64	86	112	145	174	206	254	305	348	392	444	517

Long term current rating of single core cables laid in air or ground as single cable operating in DC systems with distant protective conductor

section mm ²	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400
air 30°C	33	43	57	72	99	131	177	217	265	336	415	485	557	646	774	900	1060
ground 20°C	41	63	82	102	136	176	229	275	326	400	480	548	616	698	815	927	1064

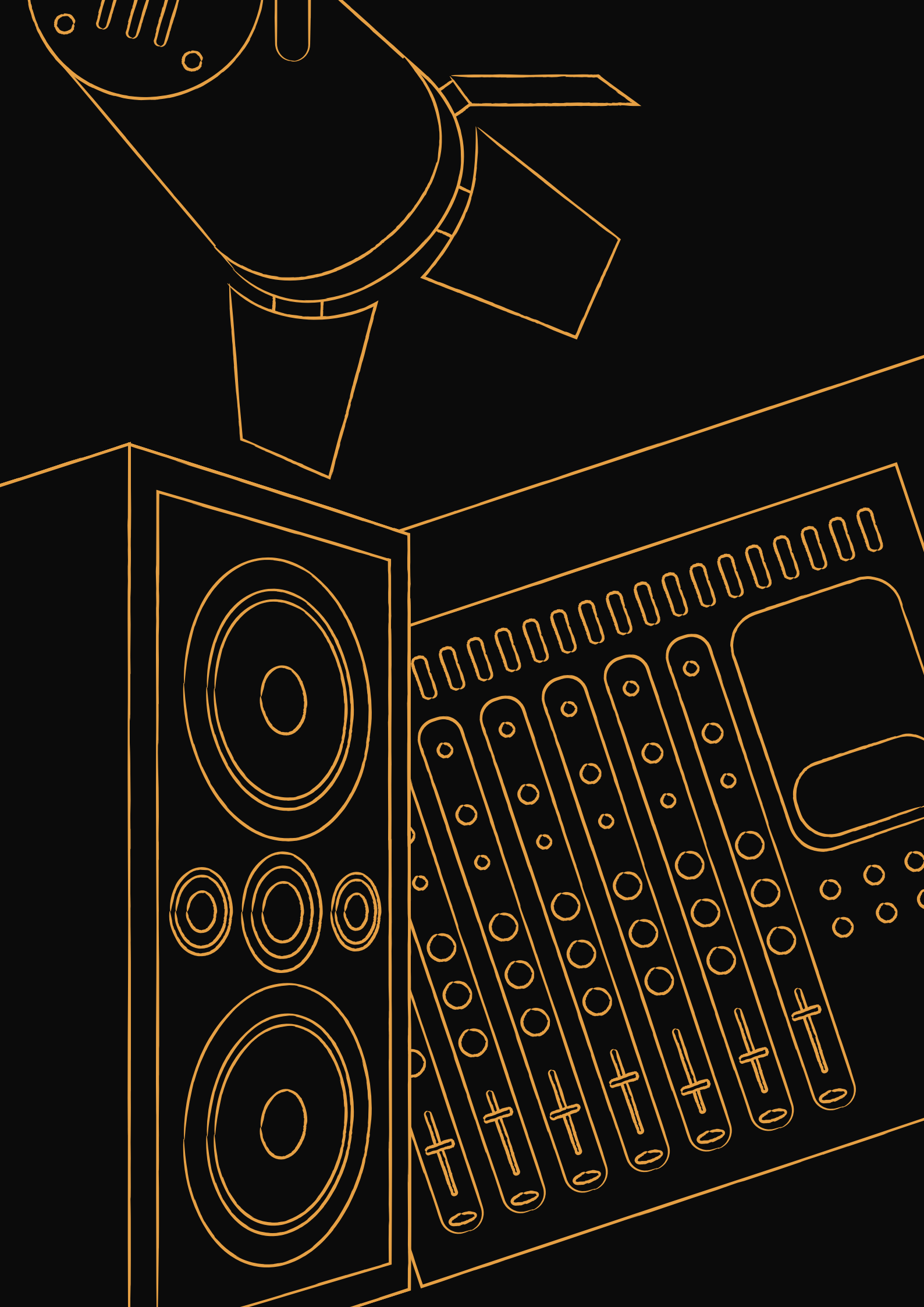
Long term current rating of single core cables laid in air or ground in triangle, operating in 3-phase symmetrical systems

section mm ²	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400
air 30°C	26	34	44	56	77	102	138	170	207	263	325	380	437	507	604	697	811
ground 20°C	33	42	54	67	89	115	148	177	209	256	307	349	393	445	517	583	663

Correction factors for ambient temperature other than 30°C

ambient temperature °C	10	15	20	25	30	35	40	45	50	55	60	65	70	75
correction factor	1,18	1,14	1,10	1,05	1,00	0,95	0,89	0,84	0,77	0,71	0,63	0,55	0,45	0,32





CHAPTER VIII

HYBRID CABLES

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BiTsound® LP0218 Hybrid Cable Power 3G1,5 + Microphone 2x0,23 OFC

VIII. HYBRID CABLES

Flexible hybrid cable



internal application



EN 60332-1-2



high flexibility



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Test voltage (power cable, 50Hz): 2000V

Capacitance (microphone cable, 1kHz):

Conductor/conductor: ≤ 65nF/km

Conductor/screen: ≤ 130nF/km

Impedance (microphone cable): 85Ω±5

Min. insulation resistance (microphone cable): 1,0GΩxkm

Min. insulation resistance (power cable): 20MΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

Microphone cable:

Conductors: bare copper conductors, multi-stranded (30x0,1)

Insulation: special PE

Core identification: red, natural

Core arrangement: cores twisted together with textile fillers

Screen: copper wire braid, coverage min. 90%

Outer sheath: special PVC

Outer sheath colour: black

Power cable:

Conductors: bare copper conductors, stranded class 5 acc. to EN 60228

Insulation: special PVC

Core identification: brown, blue, green-yellow

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Outer sheath: special PVC

Outer sheath colour: black

Hybrid:

Core arrangement: microphone and power cable twisted together with fillers

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound® LP0218 Hybrid Cable Power 3G1,5 + Microphone 2x0,23 OFC is a combination of microphone cable designed for transmitting analog signals and power cable. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0218 Hybrid Cable Power 3G1,5 + Microphone 2x0,23 OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. resistance of power conductor 1,5mm ² DC at 20°C [Ω/km]	Max. resistance of power conductor 0,23mm ² DC at 20°C [Ω/km]
LP0218	black	3G1,5+2x0,23	14,2	241	13,3	71,5

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® LP0560 Digital Hybrid Cable Power 3G1,0 + DMX 1x(2x0,25) OFC

Flexible hybrid cable for digital signal transmission



Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Test voltage (power cable, 50Hz): 2000V

Capacitance (DMX cable, 1kHz):

Conductor/conductor: ≤ 60nF/km

Conductor/screen: ≤ 115nF/km

Impedance (DMX cable): 110±10

Min. insulation resistance (DMX cable): 1,0GΩxkm

Min. insulation resistance (power cable): 20MΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

DMX cable:

Conductors: tinned copper conductors, multi-stranded (8x0,20)

Insulation: special PE

Core identification: white, red

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Outer sheath: special PVC

Outer sheath colour: black

Power cable:

Conductors: bare copper conductors, stranded class 5 acc. to EN 60228

Insulation: special PVC

Core identification: brown, blue, green-yellow

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Outer sheath: special PVC

Outer sheath colour: black

Hybrid:

Core arrangement: DMX and power cables twisted together with fillers

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound® LP0560 Digital Hybrid Cable Power 3G1,0 + DMX 1x(2x0,25) OFC is a combination of DMX cable designed for transmission of digital signals e.g. in lighting or stage motion systems and power cable. DMX cable is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0560 Digital Hybrid Cable Power 3G1,0 + DMX 1x(2x0,25) OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0560	black	3G1,0+1x(2x0,25)	13,5	212	19,5	79

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.



BiTsound® LP0217 Digital Hybrid Cable Power 3G1,5 + DMX 1x(2x0,25) OFC

VIII. HYBRID CABLES

Flexible hybrid cable for digital signal transmission



Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 70 °C

Min. installation temperature: -5 °C

Test voltage (power cable, 50Hz): 2000V

Capacitance (DMX cable, 1kHz):

Conductor/conductor: ≤ 60nF/km

Conductor/screen: ≤ 115nF/km

Impedance (DMX cable): 110±10

Min. insulation resistance (DMX cable): 1,0GΩxkm

Min. insulation resistance (power cable): 20MΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

DMX cable:

Conductors: tinned copper conductors, multi-stranded (8x0,20)

Insulation: special PE

Core identification: white, red

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Outer sheath: special PVC

Outer sheath colour: black

Power cable:

Conductors: bare copper conductors, stranded class 5 acc. to EN 60228

Insulation: special PVC

Core identification: brown, blue, green-yellow

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Outer sheath: special PVC

Outer sheath colour: black

Hybrid:

Core arrangement: DMX and power cables twisted together with fillers

Outer sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Outer sheath colour: black, matt

Application:

BiTsound®LP0217 Digital Hybrid Cable Power 3G1,5 + DMX 1x(2x0,25) OFC is a combination of DMX cable designed for transmission of digital signals e.g. in lighting or stage motion systems and power cable. DMX cable is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0217 Digital Hybrid Cable Power 3G1,5 + DMX 1x(2x0,25) OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x mm ²	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0217	black	3G1,5+1x(2x0,25)	13,7	228	13,3	79

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.

BiTsound® LP0501 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD U/UTP cat. 5e OFC

Flexible, hybrid cable with power conductors, designed for computer networks



internal
application



external
application



EN 60332-1-2



UV resistance



high flexibility



data transmission



low operating
temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 50 °C

Min. installation temperature: -5 °C

Test voltage: power conductor 50Hz: 2000V

Capacitance: U/UTP (at 1kHz):

conductor/conductor: ≤ 60nF/km

Impedance (at 100MHz): U/UTP: 100Ω±5

Min. insulation resistance: U/UTP: 1GΩxkm

Min. insulation resistance: power conductor: 20MΩxkm

Insulated conductor diameter: U/UTP: 0,97 ± 0,05mm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

U/UTP:

Cores: tinned copper conductors, multi-stranded (26AWG/7 (0,18mm²))

Insulation: special PE

Core identification in pairs:

1st pair: blue, white-blue

2nd pair: orange, white-orange

3rd pair: green, white-green

4th pair: brown, white-brown

Core arrangement: cores twisted together; pairs twisted together on a centrally located cross spacer

Sheath: special PVC

Sheath colour: black

Power cable:

Cores: bare copper, multi-stranded class 5, acc. to EN 60228

Insulation: special PVC

Core identification: brown, blue, green-yellow

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Sheath: special PVC

Sheath colour: black

Hybrid:

Core arrangement: power cable and U/UTP twisted together with fillers

Sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Sheath colour: black, matt

Application:

BiTsound® LP0501 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD U/UTP cat. 5e OFC is composed of data transmission cable designed for computer networks with frequency up to 100 MHz and bandwidth up to 1 Gb/s and power cable. U/UTP is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0501 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD U/UTP cat. 5e OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x 2 x AWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max screen resistance DC at 20°C [Ω/km]	DC loop resistance at 20°C (max.)
LP0501	black	3G1,5+4x2x26AWG/7	15,9	288	13,3	220

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on customer's request other cross sections or number of cores can be produced.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months
warranty



BiTsound® LP0499 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC

Flexible, hybrid cable with power conductors, designed for computer networks



internal application



external application



EN 60332-1-2



UV resistance



high flexibility



data transmission



low operating temperature

Technical data:

Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 50 °C

Min. installation temperature: -5 °C

Test voltage: power conductor 50Hz: 2000V

Capacitance: U/UTP (at 1kHz):

conductor/conductor: ≤ 60nF/km

Impedance (at 100MHz): U/UTP: 100Ω±5

Min. insulation resistance: U/UTP: 1GΩxkm

Min. insulation resistance: power conductor: 20MΩxkm

Insulated conductor diameter: U/UTP: 0,97 ± 0,05mm

Min. bending radius: 5xØ (Ø - cable diameter)

Design:

U/UTP:

Cores: tinned copper conductors, multi-stranded (26AWG/7 (0,18mm²))

Insulation: special PE

Core identification in pairs:

1st pair: blue, white-blue

2nd pair: orange, white-orange

3rd pair: green, white-green

4th pair: brown, white-brown

Core arrangement: cores twisted together, pairs twisted together on a centrally located cross spacer

Sheath: special PVC

Sheath colour: black

Power cable:

Cores: bare copper, multi-stranded class 5, acc. to EN 60228

Insulation: special PVC

Core identification: brown, blue, green-yellow

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Sheath: special PVC

Sheath colour: black

Hybrid:

Core arrangement: power conductor and U/UTP twisted together with fillers

Sheath: special PVC, self-extinguishing, flame retardant acc. to EN 60332-1-2

Sheath colour: black, matt

Application:

BiTsound®LP0499 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC composed of data transmission cable designed for computer networks with frequency up to 100 MHz and bandwidth up to 1 Gb/s and power conductor. U/UTP is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0499 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	n x 2 x AWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. resistance of power conductors 1,5mm ² DC at 20°C [Ω/km]	DC loop resistance at 20°C (max)
LP0499	black	3G1,5+2x(4x2x26AWG/7)	16,9	297	13,3	220

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



BiTsound® LP0504 Multi Hybrid Cable Power 3G1,5 + DMX 2x(2x0,25) + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC

Flexible, hybrid cable with power conductors, designed for computer networks



Technical data:

Operating temperature:

Fixed installation -30 °C to 70 °C

Flexible connections -5 °C to 50 °C

Min. installation temperature: -5 °C

Test voltage: power cable 50Hz: 2000V

Capacitance: U/UTP (at 1kHz):

conductor/conductor: $\leq 60\text{nF/km}$

Capacitance: DMX cable (at 1kHz):

conductor/conductor: $\leq 60\text{nF/km}$

Conductor/screen: $\leq 115\text{nF/km}$

Impedance (at 100MHz): U/UTP: $100\Omega \pm 5$

Impedance: DMX cable: $110\Omega \pm 10$

Min. insulation resistance: U/UTP: $1,0\text{G}\Omega \times \text{km}$

Min. insulation resistance: DMX: $1,0\text{G}\Omega \times \text{km}$

Min. insulation resistance: power conductor: $20\text{M}\Omega \times \text{km}$

Insulated conductor diameter: U/UTP: $0,97 \pm 0,05\text{mm}$

Min. bending radius: $5 \times \varnothing$ (\varnothing - cable diameter)

Design:

U/UTP:

Cores: tinned copper conductors, multi-stranded (26AWG/7 (0,18mm²))

Insulation: special PE

Core identification in pairs:

1st pair: blue, white-blue

2nd pair: orange, white-orange

3rd pair: green, white-green

4th pair: brown, white-brown

Core arrangement: cores twisted in pairs; pairs twisted together on a centrally located cross spacer

Sheath: special PVC

Sheath colour: black

DMX:

Cores: tinned copper conductors, multi-stranded (8x0,20)

Insulation: special PE

Core identification: white, red

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

Sheath: special PVC

Sheath colour: black

Power cable:

Cores: bare copper, multi-stranded class 5, acc. to EN 60228

Insulation: special PVC

Core identification: brown, blue, green-yellow

Core arrangement: cores twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire

Sheath: special PVC

Sheath colour: black

Hybrid:

Core arrangement: power cable, 2xDMX and 2xU/UTP twisted together with fillers

Sheath: special PVC, self-extinguishing and flame retardant acc. to EN 60332-1-2

Sheath colour: black, matt



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty

BiTsound® LP0504 Multi Hybrid Cable Power 3G1,5 + DMX 2x(2x0,25) + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC

Flexible, hybrid cable with power conductors, designed for computer networks

Application:

BiTsound® LP0504 Multi Hybrid Cable Power 3G1,5 + DMX 2x(2x0,25) + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e is composed of data transmission cable designed for computer networks with frequency up to 100 MHz and bandwidth up to 1 Gb/s, power cable and DMX cable designed for transmitting digital signals e.g. in lighting or stage motion systems. DMX is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences. U/UTP is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0504 Multi Hybrid Cable Power 3G1,5 + DMX 2x(2x0,25) + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e is classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- high impact strength and flexibility at both room and low temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat.no.	Colour	n x 2 x AWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. resistance of power conductors 1,5mm ² DC at 20°C [Ω/km]	DC loop resistance 0,25mm ² at 20°C [Ω/km]
LP0504	black	3G1,5+2x(2x0,25)+2x(4x2x26AWG/7)	18,6	378	13,3	79

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
Note: on customer's request other cross sections or number of cores can be produced.



LIST OF CATALOGUE NUMBERS

LP0050	BiTsound® PGY-p OFC	13
LP0051	BiTsound® PGY-p OFC	13
LP0052	BiTsound® PGY-p OFC	13
LP0053	BiTsound® PGY-p OFC	13
LP0054	BiTsound® PGY-p OFC	13
LP0055	BiTsound® PGY-p OFC	13
LP0056	BiTsound® PGY-p OFC	13
LP0057	BiTsound® PGY-p OFC	13
LP0173	BiTsound® LP0173 Twin Instrument Cable OFC	34
LP0199	BiTsound® Speaker Cable OFC	8
LP0200	BiTsound® Speaker Cable OFC	8
LP0201	BiTsound® Speaker Cable OFC	8
LP0202	BiTsound® Speaker Cable OFC	8
LP0203	BiTsound® Speaker Cable OFC	8
LP0204	BiTsound® INSTAL Speaker Cable OFC	10
LP0205	BiTsound® INSTAL Speaker Cable OFC	10
LP0206	BiTsound® INSTAL Speaker Cable OFC	10
LP0208	BiTsound® LP0208 LowNoise Microphone Cable OFC	16
LP0208.05	BiTsound® LP0208 LowNoise Microphone Cable OFC	16
LP0208.06	BiTsound® LP0208 LowNoise Microphone Cable OFC	16
LP0208.07	BiTsound® LP0208 LowNoise Microphone Cable OFC	16
LP0209	BiTsound® LP0209 LowNoise Professional Microphone Cable OFC	20
LP0210	BiTsound® LP0210 LowNoise Professional Microphone Cable OFC	21
LP0211	BiTsound® LP0211 LowNoise Microphone Instal Cable OFC LSOH	25
LP0212	BiTsound® LP0212 High Fidelity Instrument Cable OFC	33
LP0212.05	BiTsound® LP0212 High Fidelity Instrument Cable OFC	33
LP0212.06	BiTsound® LP0212 High Fidelity Instrument Cable OFC	33
LP0212.07	BiTsound® LP0212 High Fidelity Instrument Cable OFC	33
LP0213	BiTsound® LP0213 Patch Cable OFC	18
LP0214	BiTsound® LP0214 DMX 512/1990 Data Cable 110 Ohm OFC	38
LP0215	BiTsound® LP0215 DMX 512/1990 Data Cable 110 Ohm OFC	39
LP0216	BiTsound® LP0216 DMX 512/1990 Dual Data Cable 110 Ohm OFC	40
LP0217	BiTsound® LP0217 Digital Hybrid Cable Power 3G1,5 + DMX 1x2x0,25) OFC	45, 70
LP0218	BiTsound® LP0218 Hybrid Cable Power 3G1,5 + Microphone 2x0,23 OFC	28, 68
LP0220	BiTsound® MultiPaired Analog Audio Cable	48
LP0221	BiTsound® MultiPaired Analog Audio Cable	48
LP0222	BiTsound® MultiPaired Analog Audio Cable	48
LP0223	BiTsound® MultiPaired Analog Audio Cable	48
LP0231	BiTsound® LP0231 Microphone Instal Cable OFC	24
LP0234	BiTsound® INSTAL Speaker Cable OFC	10
LP0235	BiTsound® INSTAL Speaker Cable OFC	10
LP0236	BiTsound® INSTAL Speaker Cable OFC	10
LP0237	BiTsound® INSTAL Speaker Cable OFC	10
LP0238	BiTsound® INSTAL Speaker Cable LSOH OFC	11
LP0239	BiTsound® INSTAL Speaker Cable LSOH OFC	11
LP0240	BiTsound® INSTAL Speaker Cable LSOH OFC	11

LIST OF CATALOGUE NUMBERS

LP0241	BiTsound® INSTAL Speaker Cable LSOH OFC	11
LP0242	BiTsound® INSTAL Speaker Cable LSOH OFC	11
LP0243	BiTsound® INSTAL Speaker Cable LSOH OFC	11
LP0244	BiTsound® INSTAL Speaker Cable LSOH OFC	11
LP0245	BiTsound® LP0245 LowNoise Microphone Cable Star Quad OFC	19
LP0248	BiTsound® MultiPaired Analog Audio Cable	48
LP0250	BiTsound® INSTAL Speaker Cable OFC	10
LP0251	BiTsound® INSTAL Speaker Cable LSOH OFC	11
LP0252	BiTsound® INSTAL Speaker Cable LSOH OFC	11
LP0253	BiTsound® INSTAL Speaker Cable OFC	10
LP0254	BiTsound® INSTAL Speaker Cable OFC	10
LP0255	BiTsound® INSTAL Speaker Cable OFC	10
LP0256	BiTsound® INSTAL Speaker Cable LSOH OFC	11
LP0257	BiTsound® INSTAL Speaker Cable LSOH OFC	11
LP0261	BiTsound® LP0261 LowNoise Microphone Cable OFC THIN	17
LP0262	BiTsound® LP0262 LowNoise Microphone Instal Cable OFC LSOH	26
LP0263	BiTsound® Power Cable 300/500V	60
LP0274	BiTsound® Speaker Cable OFC	8
LP0275	BiTsound® LP0275 High Fidelity Instrument Cable OFC	32
LP0275.05	BiTsound® LP0275 High Fidelity Instrument Cable OFC	32
LP0275.06	BiTsound® LP0275 High Fidelity Instrument Cable OFC	32
LP0275.07	BiTsound® LP0275 High Fidelity Instrument Cable OFC	32
LP0277	BiTsound® Speaker Cable OFC	8
LP0278	BiTsound® Power Cable 300/500V	60
LP0279	BiTsound® INSTAL Speaker Cable LSOH OFC	11
LP0285	BiTsound® INSTAL Speaker Cable OFC	10
LP0296	BiTsound® Speaker Cable OFC	8
LP0298	BiTsound® LP0298 LowNoise Microphone Cable PUR OFC	22
LP0299	BiTsound® LP0299 LowNoise Professional Microphone Cable PUR OFC	23
LP0400	BiTsound® INSTAL Speaker Cable LSOH PGI-(VH) OFC PH90	12
LP0401	BiTsound® INSTAL Speaker Cable LSOH PGI-(VH) OFC PH90	12
LP0403	BiTsound® INSTAL Speaker Cable LSOH PGI-(VH) OFC PH90	12
LP0405	BiTsound® INSTAL Speaker Cable LSOH PGI-(VH) OFC PH90	12
LP0407	BiTsound® INSTAL Speaker Cable LSOH PGI-(VH) OFC PH90	12
LP0410	BiTsound® INSTAL Speaker Cable LSOH PGI-(VH) OFC PH90	12
LP0475	BiTsound® Speaker Cable PUR OFC	9
LP0476	BiTsound® Speaker Cable PUR OFC	9
LP0477	BiTsound® Speaker Cable PUR OFC	9
LP0481	BiTsound® Speaker Cable PUR OFC	9
LP0482	BiTsound® Speaker Cable PUR OFC	9
LP0483	BiTsound® Speaker Cable PUR OFC	9
LP0487	BiTsound® Speaker Cable PUR OFC	9
LP0488	BiTsound® Speaker Cable PUR OFC	9
LP0499	BiTsound® LP0499 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC	57, 72
LP0500	BiTsound® LP0500 Digital Hybrid Cable OFC	43

LIST OF CATALOGUE NUMBERS

LP0501	BiTsound® LP0501 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD U/UTP cat. 5e OFC	56, 71
LP0504	BiTsound® LP0504 Multi Hybrid Cable Power 3G1,5 + DMX 2x(2x0,25) + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC	73
LP0560	BiTsound® LP0560 Digital Hybrid Cable Power 3G1,0 + DMX 1x(2x0,25) OFC	44, 69
LP0561	BiTsound® LP0561 DMX 512/1990 Data Cable 110 Ohm PUR OFC	42
LP0562	BiTsound® LP0562 DMX 512/1990 Data Cable 110 Ohm PUR OFC	41
LP0600	BiTsound® Power Cable 300/500V	60
LP0601	BiTsound® Power Cable 300/500V	60
LP0602	BiTsound® Power Cable 300/500V	60
LP0603	BiTsound® Power Cable 300/500V	60
LP0604	BiTsound® Power Cable 300/500V	60
LP0610	BiTsound® Power Cable 450/750V	61
LP0611	BiTsound® Power Cable 450/750V	61
LP0612	BiTsound® Power Cable 450/750V	61
LP0661	BiTsound® MultiPaired AES/EBU Audio Cable	49
LP0662	BiTsound® MultiPaired AES/EBU Audio Cable	49
LP0664	BiTsound® MultiPaired AES/EBU Audio Cable	49
LP0672	BiTsound® MultiPaired AES/EBU Audio Cable	49
LP0673	BiTsound® MultiPaired AES/EBU Audio Cable	49
LP0702	BiTsound® LP0702 Digital Professional Cable OFC AES/EBU	27
LP0900	BiTsound® LP0900 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e	52
LP0901	BiTsound® LP0901 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e PUR	54
LP0910	BiTsound® LP0910 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6	53
LP0911	BiTsound® LP0911 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 PUR	55
LP0930	BiTsound® LP0930 MOBILE DATA PATCHCORD CABLE S/FTP cat. 7	56
EM9050	BiT 1000® Power 0,6/1kV	64-66
EM9051	BiT 1000® Power 0,6/1kV	64-66
Em9052	BiT 1000® Power 0,6/1kV	64-66
EM9053	BiT 1000® Power 0,6/1kV	64-66
Em9054	BiT 1000® Power 0,6/1kV	64-66
EM9055	BiT 1000® Power 0,6/1kV	64-66
EM9056	BiT 1000® Power 0,6/1kV	64-66
EM9057	BiT 1000® Power 0,6/1kV	64-66
EM9058	BiT 1000® Power 0,6/1kV	64-66
Em9059	BiT 1000® Power 0,6/1kV	64-66
EM9060	BiT 1000® Power 0,6/1kV	64-66
EM9061	BiT 1000® Power 0,6/1kV	64-66
EM9062	BiT 1000® Power 0,6/1kV	64-66
EM9063	BiT 1000® Power 0,6/1kV	64-66
EM9064	BiT 1000® Power 0,6/1kV	64-66
EM9065	BiT 1000® Power 0,6/1kV	64-66
EM9066	BiT 1000® Power 0,6/1kV	64-66
EM9067	BiT 1000® Power 0,6/1kV	64-66
EM9068	BiT 1000® Power 0,6/1kV	64-66
EM9069	BiT 1000® Power 0,6/1kV	64-66
EM9070	BiT 1000® Power 0,6/1kV	64-66

LIST OF CATALOGUE NUMBERS

EM9071	BiT 1000® Power 0,6/1kV	64-66
EM9072	BiT 1000® Power 0,6/1kV	64-66
EM9073	BiT 1000® Power 0,6/1kV	64-66
EM9074	BiT 1000® Power 0,6/1kV	64-66
EM9075	BiT 1000® Power 0,6/1kV	64-66
EM9076	BiT 1000® Power 0,6/1kV	64-66
EM9077	BiT 1000® Power 0,6/1kV	64-66
Em9078	BiT 1000® Power 0,6/1kV	64-66
EM9079	BiT 1000® Power 0,6/1kV	64-66
EM9080	BiT 1000® Power 0,6/1kV	64-66
EM9081	BiT 1000® Power 0,6/1kV	64-66
EM9082	BiT 1000® Power 0,6/1kV	64-66
EM9083	BiT 1000® Power 0,6/1kV	64-66
EM9084	BiT 1000® Power 0,6/1kV	64-66
EM9085	BiT 1000® Power 0,6/1kV	64-66
EM9086	BiT 1000® Power 0,6/1kV	64-66
EM9087	BiT 1000® Power 0,6/1kV	64-66
EM9088	BiT 1000® Power 0,6/1kV	64-66
EM9089	BiT 1000® Power 0,6/1kV	64-66
EM9090	BiT 1000® Power 0,6/1kV	64-66
EM9091	BiT 1000® Power 0,6/1kV	64-66
EM9092	BiT 1000® Power 0,6/1kV	64-66
EM9093	BiT 1000® Power 0,6/1kV	64-66
EM9094	BiT 1000® Power 0,6/1kV	64-66
EM9095	BiT 1000® Power 0,6/1kV	64-66
EM9096	BiT 1000® Power 0,6/1kV	64-66
EM9097	BiT 1000® Power 0,6/1kV	64-66
EM9098	BiT 1000® Power 0,6/1kV	64-66
EM9099	BiT 1000® Power 0,6/1kV	64-66
EM9100	BiT 1000® Power 0,6/1kV	64-66
EM9101	BiT 1000® Power 0,6/1kV	64-66
EM9102	BiT 1000® Power 0,6/1kV	64-66
EM9103	BiT 1000® Power 0,6/1kV	64-66
EM9104	BiT 1000® Power 0,6/1kV	64-66
EM9105	BiT 1000® Power 0,6/1kV	64-66
EM9106	BiT 1000® Power 0,6/1kV	64-66
EM9107	BiT 1000® Power 0,6/1kV	64-66
EM9108	BiT 1000® Power 0,6/1kV	64-66
EM9109	BiT 1000® Power 0,6/1kV	64-66
EM9110	BiT 1000® Power 0,6/1kV	64-66
EM9111	BiT 1000® Power 0,6/1kV	64-66
EM9112	BiT 1000® Power 0,6/1kV	64-66
EM9113	BiT 1000® Power 0,6/1kV	64-66
EM9114	BiT 1000® Power 0,6/1kV	64-66
EM9115	BiT 1000® Power 0,6/1kV	64-66
EM9116	BiT 1000® Power 0,6/1kV	64-66
EM9117	BiT 1000® Power 0,6/1kV	64-66

LIST OF CATALOGUE NUMBERS

EM9118	BiT 1000® Power 0,6/1kV	64-66
EM9119	BiT 1000® Power 0,6/1kV	64-66
EM9120	BiT 1000® Power 0,6/1kV	64-66
EM9121	BiT 1000® Power 0,6/1kV	64-66
EM9122	BiT 1000® Power 0,6/1kV	64-66
EM9123	BiT 1000® Power 0,6/1kV	64-66
EM9124	BiT 1000® Power 0,6/1kV	64-66
EM9125	BiT 1000® Power 0,6/1kV	64-66
EM9126	BiT 1000® Power 0,6/1kV	64-66
EM9127	BiT 1000® Power 0,6/1kV	64-66
EM9128	BiT 1000® Power 0,6/1kV	64-66
EM9129	BiT 1000® Power 0,6/1kV	64-66
EM9130	BiT 1000® Power 0,6/1kV	64-66
EM9131	BiT 1000® Power 0,6/1kV	64-66
EM9132	BiT 1000® Power 0,6/1kV	64-66
EM9133	BiT 1000® Power 0,6/1kV	64-66
EM9121	BiT 1000® Power 0,6/1kV	64-66
EM9122	BiT 1000® Power 0,6/1kV	64-66
EM9123	BiT 1000® Power 0,6/1kV	64-66
EM9124	BiT 1000® Power 0,6/1kV	64-66
EM9125	BiT 1000® Power 0,6/1kV	64-66
EM9126	BiT 1000® Power 0,6/1kV	64-66
EM9127	BiT 1000® Power 0,6/1kV	64-66
EM9128	BiT 1000® Power 0,6/1kV	64-66
EM9129	BiT 1000® Power 0,6/1kV	64-66
EM9130	BiT 1000® Power 0,6/1kV	64-66
EM9131	BiT 1000® Power 0,6/1kV	64-66
EM9132	BiT 1000® Power 0,6/1kV	64-66
EM9133	BiT 1000® Power 0,6/1kV	64-66
EM9162	BiT 1000® Power 0,6/1kV	64-66
EM9163	BiT 1000® Power 0,6/1kV	64-66
EM9164	BiT 1000® Power 0,6/1kV	64-66
EM9165	BiT 1000® Power 0,6/1kV	64-66
EM9166	BiT 1000® Power 0,6/1kV	64-66
EM9167	BiT 1000® Power 0,6/1kV	64-66
EM9168	BiT 1000® Power 0,6/1kV	64-66
EM9169	BiT 1000® Power 0,6/1kV	64-66
EM9170	BiT 1000® Power 0,6/1kV	64-66
EM9171	BiT 1000® Power 0,6/1kV	64-66
EM9172	BiT 1000® Power 0,6/1kV	64-66
EM9173	BiT 1000® Power 0,6/1kV	64-66
EM9174	BiT 1000® Power 0,6/1kV	64-66
EM9175	BiT 1000® Power 0,6/1kV	64-66
EM9176	BiT 1000® Power 0,6/1kV	64-66
EM9177	BiT 1000® Power 0,6/1kV	64-66
EM9178	BiT 1000® Power 0,6/1kV	64-66

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