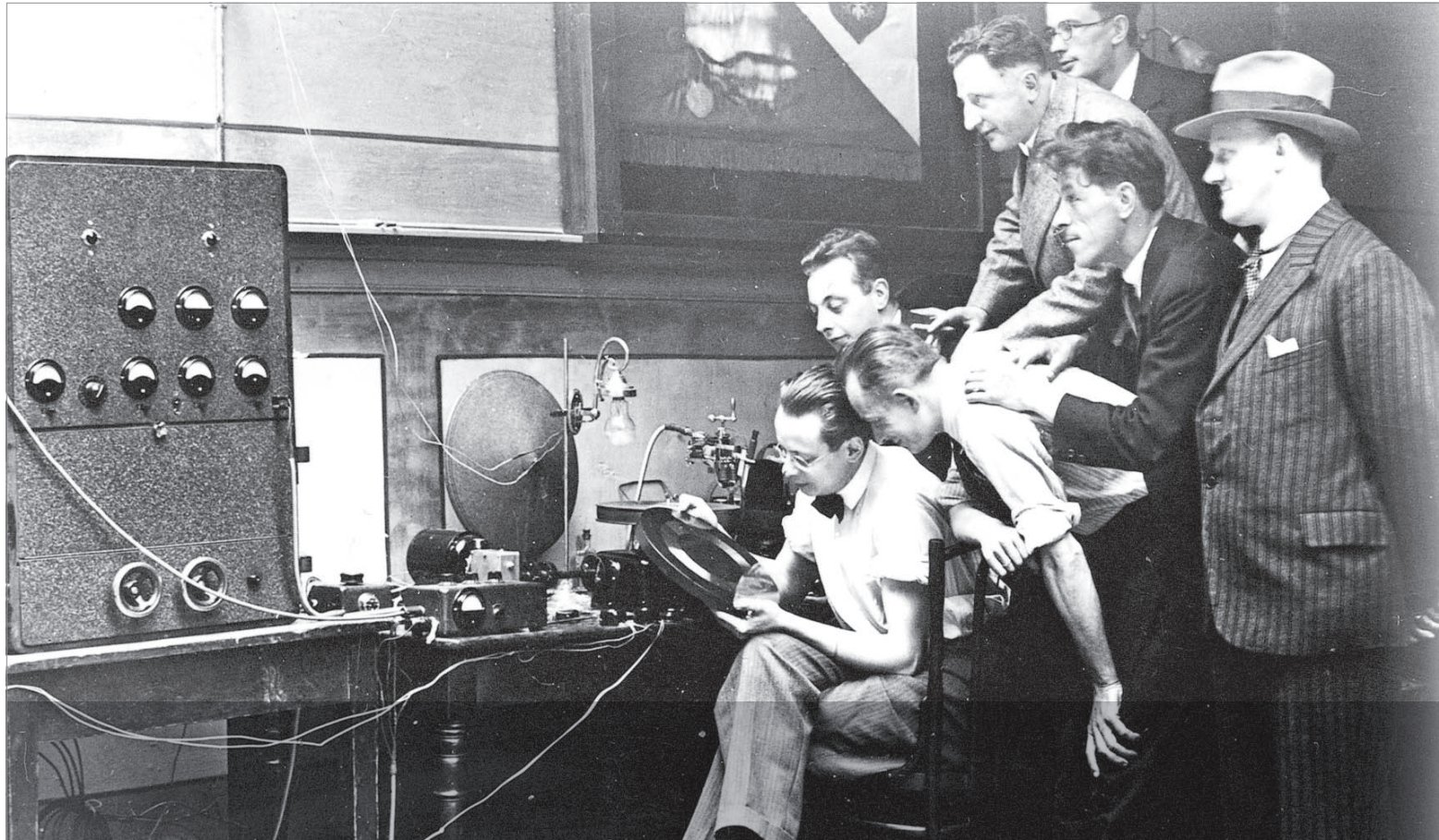




PROFESSIONAL HEADPHONES AND HEADSETS



PRECISION AND PASSION

since 1924

The development of dynamic headphones and microphones are milestones in beyerdynamic's history. Founded in Berlin in 1924, today the company, which is headquartered in Heilbronn, is one of the leading suppliers for headphones, microphones, headsets and conference systems. beyerdynamic develops and produces innovative solutions in Germany for an ever-growing clientele with high quality requirements.



DT 1350 | HEADPHONES



DT 1350

Closed supraaural headphone for control and monitoring applications, musicians and DJ's.

- Supraaural, lightweight and robust design
- Tesla Technology with highest efficiency
- Excellent ambient noise attenuation
- Flexible split headband
- 90° swivelling earcups
- Single-sided cable
- Soft-Skin earpads and headband for good wearer comfort
- Carry bag included

Headphone

Transducer type	Dynamic
Operating principle	Closed
Sound coupling to ear	Supraaural
Frequency response	5 - 30,000 Hz
Nominal impedance	80 Ω
Max. SPL	129 dB
Power handling capacity	100 mW
Ambient noise attenuation	approx. 23 dBA
Nominal headband pressure	approx. 5.5 N
Weight (without cable)	174 g
Cable	1.5 m (4.92 ft) / straight cable
Connector	Gold plated mini stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm)

Version

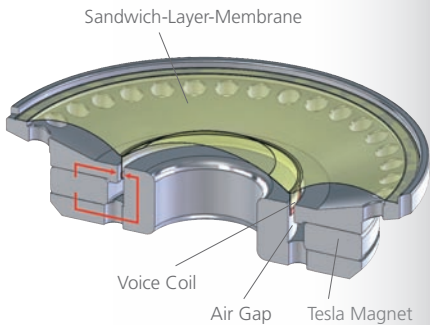
DT 1350	80 Ω, 1.5 m (4.92 ft) / straight cable	Art.-No. 702.072
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Accessories

EDT 1350 VB	Ear cushions pair, velours, black	Art.-No. 906.794
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TESLA TECHNOLOGY

The completely re-engineered Tesla sound transducers help achieve almost lossless magnetic flux. This is made possible by the brand new system geometry, which allows the transfer of magnetic force to the voice coil to be as efficient as possible. Traditional dynamic systems use a neodymium magnet at the centre of the system, the size of which was inevitably limited inside the voice coil. The Tesla principle sees the magnet mounted as a ring around the coil, allowing more energy to be directed to the membrane, which is exactly where it is required.



The exceptionally pure sound produced by the Tesla systems is the result of the close attention to countless small details. Especially noteworthy is the ring-shaped magnet which allows a drill-hole directly behind the centre of the membrane in order to minimise disruptive resonances. The use of a special, multilayer membrane effectively suppresses unwanted partial vibrations and resultant distortion. Another special feature of the Tesla systems is their full-metal design. This prevents any uncontrolled resonances in any part of the casing, which might in turn distort the sound. The metal also protects the device against electrical interference.



DT 700 SERIES | HEADPHONES

DT 700 SERIES | HEADPHONES

DT 770 PRO

Closed reference headphone for control and monitoring applications.



- Diffuse-field closed studio headphone
- „Bass reflex“ technology for improved bass response
- Comfortable fit due to rugged, adjustable, soft padded headband construction
- Robust, easy serviceable construction as all parts are replaceable
- Single-sided cable
- Velours, circumaural ear pads

DT 770 M

Closed headphone for drummers and monitoring purposes (FOH), with extreme isolation against ambient noise.



- Excellent ambient noise attenuation (35 dBA)
- Superb sound quality with high sound pressure level (105 dB)
- Extended frequency range
- Single-sided cable with volume control
- Robust, easy serviceable construction as all parts are replaceable
- Excellent comfort for long-term wearing, softskin ear pads
- Secure and comfortable fit due to rugged, adjustable headband construction with soft padding
- Supplied in a carrying case (nylon)

DT 880 PRO

Semi-open reference headphone for monitoring applications.



- Diffuse-field semi-open studio headphone
- Analytical sound
- Comfortable fit due to rugged, adjustable, soft padded headband construction
- Robust, easy serviceable construction as all parts are replaceable
- Single-sided cable
- Velours, circumaural ear pads
- Supplied in a carrying case (nylon)

DT 990 PRO

Professional acoustically open headphone for monitoring and studio applications.



- Diffuse-field open studio headphone
- Professional version of the many times awarded “DT 990”
- Extremely lightweight diaphragm for superb impulse performance
- Excellent sound reproduction
- Comfortable fit due to rugged, adjustable, soft padded headband construction
- Robust, easy serviceable construction as all parts are replaceable
- Single-sided cable
- Velours, circumaural ear pads

Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	5 - 35,000 Hz
Nominal impedance	80 Ω / 250 Ω
Power handling capacity	100 mW
Ambient noise attenuation	approx. 18 dBA
Average pressure on ears	3.5 N
Weight without cable	270 g
Length and type of cable	3.0 m (9.84 ft) / straight cable (80 Ω Version) 3.0 m (9.84 ft) / coiled cable (250 Ω Version)

Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	5 - 30,000 Hz
Nominal impedance	80 Ω
Power handling capacity	100 mW
Ambient noise attenuation	approx. 35 dBA
Average pressure on ears	6.5 N
Weight without cable	300 g
Length and type of cable	3.0 m (9.84 ft) / straight cable with volume control Gold plated stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm)

Connection

Versions		
DT 770 PRO	80 Ω, 3.0 m (9.84 ft) / straight cable	Art.-No. 459.046
DT 770 PRO	250 Ω, 3.0 m (9.84 ft) / coiled cable	Art.-No. 474.746

Accessories		
DT-Bag	Carry bag, nylon, black	Art.-No. 590.959
EDT 770 S	Ear cushions pair, softskin	Art.-No. 904.783
EDT 770 VB	Ear cushions pair, velours, black	Art.-No. 906.166

Version		
DT 770 M	80 Ω, 3.0 m (9.84 ft) / straight cable, with volume control, incl. DT-Bag	Art.-No. 472.786

Accessories		
EDT 770 VB	Ear cushions pair, velours, black	Art.-No. 906.166

Headphone	
Transducer type	Dynamic
Operating principle	Semi-open
Frequency response	5 - 35,000 Hz
Nominal impedance	250 Ω
Power handling capacity	100 mW
Average pressure on ears	3.5 N
Weight without cable	295 g
Length and type of cable	3.0 m (9.84 ft) / coiled cable
Connection	Gold plated stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm)

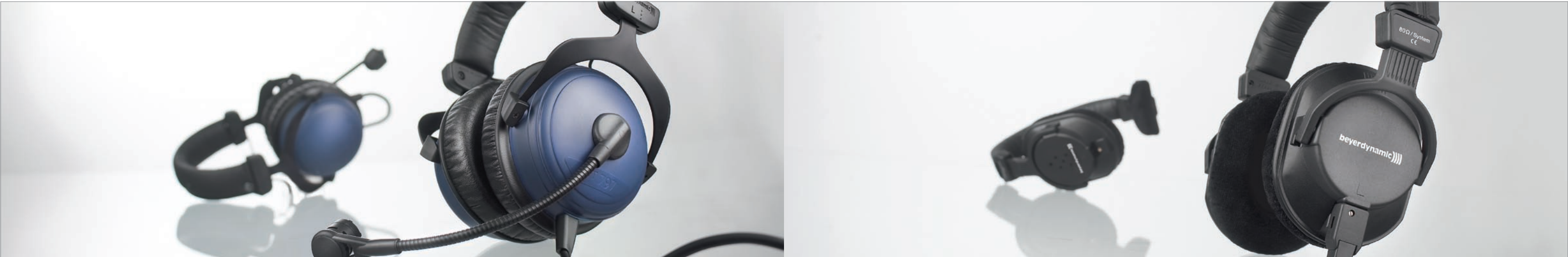
Version		
DT 880 PRO	250 Ω, 3.0 m (9.84 ft) / coiled cable, incl. DT-Bag	Art.-No. 490.970

Accessories		
EDT 990 S	Ear cushions pair, softskin	Art.-No. 904.791

Headphone	
Transducer type	Dynamic
Operating principle	Open
Frequency response	5 - 35,000 Hz
Nominal impedance	250 Ω
Power handling capacity	100 mW
Average pressure on ears	3.5 N
Weight without cable	250 g
Length and type of cable	3.0 m (9.84 ft) / coiled cable
Connection	Gold plated stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm)

Version		
DT 990 PRO	250 Ω, 3.0 m (9.84 ft) / coiled cable	Art.-No. 459.038

Accessories		
DT-Bag	Carry bag, nylon, black	Art.-No. 590.959
EDT 990 S	Ear pads, Soft-Skin	Art.-No. 904.791



DT 700 SERIES | HEADSETS

DT 790

Closed headset with dynamic microphone for intercom use in loud environments.

- Excellent ambient noise attenuation
- High-quality dynamic hyper-cardioid microphone with very high gain-before-feedback
- Pivotalable, flexible gooseneck for optimal positioning
- Robust, easy serviceable construction as all parts are replaceable
- Single-sided cable
- Comfortable fit due to rugged, adjustable, soft padded headband construction
- Softskin, circumaural ear pads



DT 797 PV

Headset with condenser microphone for use in loud environments.

- Improvement of immunity against RFI (Radio Frequency Interference) caused by GSM, DECT, UMTS, Tetra, etc.
- Excellent ambient noise attenuation
- High-quality condenser cardioid microphone for improved bass response and with high gain-before-feedback
- Very high speech reproduction quality and excellent intelligibility
- Pivotalable, flexible gooseneck for optimal positioning with elastical microphone suspension
- Robust, easy serviceable construction as all parts are replaceable
- Single-sided cable



Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	5 - 30,000 Hz
Nominal impedance	80 Ω
Power handling capacity	100 mW
Ambient noise attenuation	approx. 35 dBA
Average pressure on ears	5.5 N
Weight without cable	470 g
Length and type of cable	3.0 m (9.84 ft) / straight cable

Microphone	
Transducer type	Dynamic
Frequency response	40 - 12,000 Hz
Polar pattern	Hypercardioid
Nominal impedance	200 Ω

Versions		
DT 790.00	80 Ω, 1.5 m (4.92 ft), cable with free ends	Art.-No. 488.747
DT 790.28	80 Ω, 1.5 m (4.92 ft) cable, 4-pol. XLR female	Art.-No. 488.755

Accessories		
DT-Bag	Carry bag, nylon, black	Art.-No. 590.959
EDT 770 VB	Ear cushions pair, velours, black	Art.-No. 906.166

Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	5 - 35,000 Hz
Nominal impedance	250 Ω
Power handling capacity	100 mW
Ambient noise attenuation	approx. 20 dBA
Average pressure on ears	4.5 N
Weight without cable	395 g
Length and type of cable	3.0 m (9.84 ft) / straight cable
Connection	1/4" (6.35 mm) stereo jack

Microphone	
Transducer type	Condenser (back-electret)
Frequency response	40 - 20,000 Hz
Polar pattern	Cardioid
Nominal impedance	approx. 300 Ω
Max. SPL	136 dB
Phantom supply	12 - 48 V
Connection	3-pin. XLR male

Versio	
DT 797 PV	250 Ω, 1.5 m (4.92 ft) cable, 3-pin. XLR male and 1/4" adapter (6.35 mm) stereo jack
	Art.-No. 497.894

Accessories		
DT-Bag	Carry bag, nylon, black	Art.-No. 590.959
EDT 770 VB	Ear cushions pair, velours, black	Art.-No. 906.166

DT 200 SERIES | HEADPHONES / HEADSETS

DT 250 | DT 252

Lightweight, low profile, closed head-phone for broadcast, recording studios and intercom applications.

- Closed headphone
- Good ambient noise attenuation
- Lightweight, low profile design
- Single-sided, detachable cable
- Powerful neodymium headphone system for excellent reproduction accuracy
- Balanced sound impression
- Circumaural ear pads, advanced ear cushion system
- Adjustable, soft padded headband
- Service-friendly construction due to exchangeability of all parts



Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	10 - 30,000 Hz
Nominal impedance	80 Ω / 250 Ω
Power handling capacity	100 mW
Ambient noise attenuation	approx. 16 dBA
Average pressure on ears	4.5 N
Weight without cable	240 g (DT 250) 170 g (DT 252)
Length and type of cable	3.0 m (9.84 ft) / coiled cable
Connection	Gold-plated mini stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm)

Versions		
DT 250	Studio headphone, 80 Ω system, 3.0 m (9.84 ft) / coiled cable with gold-plated mini stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm)	Art.-No. 442.844
DT 250	Same as above, but 250 Ω system	Art.-No. 443.530
DT 252	Same as above, but single-sided version, 80 Ω system	Art.-No. 445.177

Accessories		
DT-Bag	Carry bag, nylon, black	Art.-No. 590.959
EDT 250 S	Ear cushions pair, softskin	Art.-No. 943.549

DT 291 PV

Headset with condenser microphone (omnidirectional) for commentators and studio applications (film scoring).

- Improvement of immunity against RFI (Radio Frequency Interference) caused by GSM, DECT, UMTS, Tetra, etc.
- Very high speech reproduction quality and excellent intelligibility
- Flexible, pivotalable gooseneck for optimal positioning
- Single-sided, detachable cable
- Powerful neodymium headphone system for excellent reproduction accuracy
- Optimised frequency response according to IRT (Institute for Radio-technology in Munich) regulations
- Circumaural ear pads, advanced ear cushion system
- Adjustable, soft padded headband



Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	10 - 30,000 Hz
Nominal impedance	80 Ω / 250 Ω
Power handling capacity	100 mW
Ambient noise attenuation	approx. 16 dBA
Average pressure on ears	4.5 N
Weight without cable	240 g
Microphone	
Transducer type	Condenser (back-electret)
Frequency response	20 - 18,000 Hz
Polar pattern	Omnidirectional
Nominal impedance	200 Ω
Max. SPL	127 dB
Phantomsp	12 - 48 V

Versions		
DT 291 PV MK II	Headset, 80 Ω, omnidirectional condenser microphone, with integrated preamp for phantom powering	Art.-No. 701.440
DT 291 PV MK II	Same as above, but 250 Ω	Art.-No. 701.459

Accessories		
DT-Bag	Carry bag, nylon, black	Art.-No. 590.959
EDT 250 S	Ear cushions pair, softskin	Art.-No. 943.549

DT 291 PV is supplied without connecting cable. Please refer to page 19.



DT 200 SERIES | HEADSETS

DT 280 | DT 290

Light headset with dynamic microphone for on-air commentary, sportscasters, intercom and talkback systems.



- Good ambient noise attenuation
- High-quality dynamic hypercardioid microphone with very high gain-before-feedback
- Flexible, pivotable gooseneck for optimal positioning
- Single-sided, detachable cable
- Powerful neodymium headphone system for excellent reproduction accuracy
- Balanced sound impression
- Circumaural ear pads, advanced ear cushion system
- Adjustable, soft padded headband

Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	10 - 30,000 Hz
Nominal impedance	80 Ω / 250 Ω
Power handling capacity	100 mW
Ambient noise attenuation	approx. 16 dBA
Average pressure on ears	4.5 N
Weight without cable	170 g (DT 280) 240 g (DT 290)

Microphone	
Transducer type	Dynamic
Frequency response	40 - 12,000 Hz
Polar pattern	Hypercardioid
Nominal impedance	200 Ω

Versions		
DT 280 MK II	Single-sided version, 200/80 Ω	Art.-No. 701.599
DT 280 MK II	Same as above, but 200/250 Ω	Art.-No. 701.602
DT 280 V.11 MK II	Single-sided version, 200/80 Ω, with pre-amplifier	Art.-No. 700.509
DT 290 MK II	Headset, 200/80 Ω	Art.-No. 701.610
DT 290 MK II	Same as above, but 200/250 Ω	Art.-No. 701.629
DT 290 V.11 MK II	Headset, 200/80 Ω, with pre-amplifier	Art.-No. 700.525

Accessories		
DT-Bag	Carry bag, nylon, black	Art.-No. 590.959
EDT 250 S	Ear cushions pair, softskin	Art.-No. 943.549

All DT 280 / DT 290 versions are supplied without connecting cable. Please order the necessary connecting cable. Refer to page 19.

DT 200 SERIES | HEADSETS

DT 287 | DT 297

Headset with condenser microphone for on-air news and sports commentators.



- Improvement of immunity against RFI (Radio Frequency Interference) caused by GSM, DECT, UMTS, Tetra, etc.
- Good ambient noise attenuation
- High-quality condenser cardioid microphone for improved bass response and high gain-before-feedback
- Very high speech reproduction quality and excellent intelligibility
- Flexible, pivotable gooseneck for optimal positioning with elastical microphone suspension
- Single-sided, detachable cable
- Powerful neodymium headphone system for excellent reproduction accuracy
- Optimised frequency response according to IRT (Institute for Radiotechnology in Munich) regulations
- Balanced sound impression
- Circumaural ear pads, advanced ear cushion system
- Adjustable, soft padded headband

Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	10 - 30,000 Hz
Nominal impedance	80 Ω / 250 Ω
Power handling capacity	100 mW
Ambient noise attenuation	approx. 16 dBA
Average pressure on ears	4.5 N
Weight without cable	170 g (DT 287) 240 g (DT 297)

Microphone	
Transducer type	Condenser (back-electret)
Frequency response	40 - 20,000 Hz
Polar pattern	Cardioid
Nominal impedance	approx. 300 Ω
Max. SPL	132 dB
Phantom supply	12 - 48 V

Versions		
DT 287 PV MK II	Single-sided version, 80 Ω, cardioid condenser microphone, with integrated power supply for phantom powering	Art.-No. 701.432
DT 287 V.11 MK II	Single-sided version, 80 Ω, cardioid condenser microphone, with integrated microphone pre-amp	Art.-No. 700.517
DT 297 PV MK II	Headset, 80 Ω, cardioid condenser microphone, with integrated power supply for phantom powering	Art.-No. 701.467
DT 297 PV MK II	Same as above, but 250 Ω	Art.-No. 721.042
DT 297 V.11 MK II	Headset, 80 Ω, cardioid condenser microphone, with integrated microphone pre-amp	Art.-No. 700.533

Accessories		
DT-Bag	Carry bag, nylon, black	Art.-No. 590.959
EDT 250 S	Ear cushions pair, softskin	Art.-No. 943.549

All DT 287 / DT 297 versions are supplied without connecting cable. Please order the necessary connecting cable. Refer to page 19.



DT 230 SERIES | HEADPHONES / HEADSETS

DT 231 PRO

Closed lightweight headphone for studio and stage applications.

- Closed headphone
- Lightweight, low profile design
- Supraaural ear pads
- Good sound impression
- Powerful low frequency response
- Single-sided, straight cable



DT 234 PRO

Lightweight headset for multimedia applications (e.g. video conferencing, voice ip etc.) and broadcast applications.

- Closed headphone
- Lightweight, low profile design
- Supraaural ear pads
- Noise-cancelling condenser cardioid microphone with high speech reproduction quality
- Single-sided, straight cable
- Connection through two 3,5 mm stereo jacks, compatible with most PC Soundcards



Headphone

Transducer type	Dynamic
Operating principle	Closed
Sound coupling to ear	Supraaural
Frequency response	20 - 18,000 Hz
Nominal impedance	32 Ω
Average pressure on ears	2 N
Weight without cable	130 g
Length and type of cable	2.5 m (8.2 ft) / straight cable
Connection	Mini stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm)

Headphone

Transducer type	Dynamic
Operating principle	Closed
Sound coupling to ear	Supraaural
Frequency response	20 - 18,000 Hz
Nominal impedance	32 Ω
Average pressure on ears	2 N
Weight without cable	155 g
Length and type of cable	2.5 m (8.2 ft) / straight cable
Connection	Mini stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm)

Microphone

Transducer type	Condenser (back electret)
Frequency response	50 - 18,000 Hz
Polar pattern	Cardioid
Nominal impedance	approx. 1.5 kΩ
Connection	Mini stereo jack plug (3.5 mm)

Version

DT 231 PRO	32 Ω, 2,5 m (8.2 ft) / straight cable	Art.-No. 458.562
DT 234 PRO	32 Ω, 2,5 m (8.2 ft) / straight cable	Art.-No. 459.364

DT 150 SERIES | HEADPHONES / HEADSETS

DT 150

Closed monitoring headphone for use in loud environments and broadcast, film and recording studios.

- Closed headphone
- Excellent ambient noise attenuation
- Powerful neodymium headphone system for excellent reproduction accuracy
- Wide frequency response (5 - 30,000 Hz)
- Capable of handling very high SPL
- Rugged, easy serviceable construction as all parts are replaceable
- Single-sided, detachable cable
- Circumaural ear pads
- Excellent comfort for long-term wearing



Headphone

Transducer type	Dynamic
Operating principle	Closed
Frequency response	5 - 30,000 Hz
Nominal impedance	250 Ω
Power handling capacity	100 mW
Ambient noise attenuation	approx. 20 dBA
Average pressure on ears	4.5 N
Weight without cable	250 g
Length and type of cable	3.0 m (9.84 ft) / straight cable
Connection	Gold-plated mini stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm)

Version

DT 150	250 Ω, 3.0 m (9.84 ft) / straight cable, black	Art.-No. 455.970
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DT 190

Professional headset with balanced microphone for on-air commentary requiring broadcast quality.

- Powerful neodymium headphone system for excellent reproduction accuracy
- Excellent ambient noise attenuation
- High quality, dynamic noise cancelling symmetrical hypercardioid microphone with wide frequency response
- Excellent intelligibility
- Capable of handling very high SPL
- Rugged, easy serviceable construction as all parts are replaceable
- Single-sided, detachable cable
- Closed headphone
- Softskin, circumaural ear pads
- Excellent comfort for long-term wearing



Headphone

Transducer type	Dynamic
Operating principle	Closed
Frequency response	5 - 30,000 Hz
Nominal impedance	250 Ω
Power handling capacity	100 mW
Ambient noise attenuation	approx. 20 dBA
Average pressure on ears	4.5 N
Weight without cable	350 g

Microphone

Transducer type	Dynamic
Frequency response	40 - 12,000 Hz
Polar pattern	Hypercardioid
Nominal impedance	200 Ω

Version

DT 190	Headset, 200/250 Ω, black	Art.-No. 423.386
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DT 190 is supplied without connecting cable. Please refer to page 19.



DT 100 SERIES | HEADPHONES

DT 100 | DT 102

The worldwide standard closed headphone for intercom, monitoring, ENG/EFP and live-applications.



- Closed headphone
- Legendary, classic design
- Excellent ambient noise attenuation
- Capable of handling very high SPL
- Rugged, easy serviceable construction as all parts are replaceable
- Single-sided, detachable cable
- Circumaural ear pads
- Excellent comfort for long-term wearing

Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	30 - 20,000 Hz
Nominal impedance	16 Ω / 400 Ω ± 10%
Power handling capacity	1000 mW
Ambient noise attenuation	20 dBA
Average pressure on ears	4.5 N
Weight without cable	350 g (DT 100) 250 g (DT 102)
Length and type of cable	3.0 m (9.84 ft) straight cable
Connection	Gold-plated mini stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm)

Versions		
DT 100	400 Ω, grey, 3.0 m (9.84 ft) / straight cable	Art.-No. 421.022
DT 100	Same as above, but 16 Ω	Art.-No. 474.169
DT 100	400 Ω, black, 3.0 m (9.84 ft) / straight cable	Art.-No. 421.464
DT 100	Same as above, but 16 Ω	Art.-No. 474.177
DT 102	Single-sided version, 400 Ω, grey, 3.0 m (9.84 ft) / straight cable	Art.-No. 421.561
DT 102	Same as above, but 16 Ω	Art.-No. 474.185
Accessories		
EDT 100 P	Ear cushions pair, plush, black, suitable for the tropics	Art.-No. 945.576
EDT 100 T	Ear cushions pair, cotton jersey, black, suitable for the tropics	Art.-No. 945.584



DT 100 SERIES | HEADSETS

DT 108 | DT 109

The worldwide headset standard for live, remote broadcasting, studio, film, TV and language lab applications.



- Closed headphone
- Highly sensitive headphone and microphone transducers
- Legendary, classic design
- Excellent ambient noise attenuation
- Capable of handling very high SPL
- Rugged, easy serviceable construction as all parts are replaceable
- Single-sided, detachable cable
- Circumaural ear pads
- Excellent comfort for long-term wearing

Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	30 - 20,000 Hz
Nominal impedance	50 Ω / 400 Ω ± 10%
Power handling capacity	1000 mW
Ambient noise attenuation	approx. 20 dBA
Average pressure on ears	approx. 4.5 N
Weight without cable	283 g (DT 108) 390 g (DT 109)

Microphone	
Transducer type	Dynamic
Frequency response	40 - 12,000 Hz
Polar pattern	Hypercardioid
Nominal impedance	200 Ω

Versions		
DT 108	Single-ear-headset, 200/50 Ω, grey	Art.-No. 131.342
DT 108	Same as above, but black	Art.-No. 402.958
DT 108	Single-ear-headset, 200/400 Ω, grey	Art.-No. 101.702
DT 108	Same as above, but black	Art.-No. 402.966
DT 109	Headset, 200/50 Ω, grey	Art.-No. 101.877
DT 109	Same as above, but black	Art.-No. 402.974
DT 109	Headset, 200/400 Ω, grey	Art.-No. 101.885
DT 109	Same as above, but black	Art.-No. 402.982

Accessories		
EDT 100 P	Ear cushions pair, plush, black, suitable for the tropics	Art.-No. 945.576
EDT 100 T	Ear cushions pair, cotton jersey, black, suitable for the tropics	Art.-No. 945.584

All DT 108 / DT 109 versions are supplied without connecting cable. Please order the necessary connecting cable. Refer to page 18.



DT 48 SERIES | HEADPHONES

DT 48 | DT 48 A 00

Dynamic, closed audiometric headphone.



- Audiometric version according to DIN 45 620
- For aural-acoustical analysis and measurements for ENT doctors, universities and research centres
- High-quality transducer elements, selected in pairs
- Maximum frequency deviation of ± 1 dB
- Colour coded left / right designation
- Effective suppression of ambient noise
- Supraaural rubber ear caps
- Straight cable with free ends fixed to the headphone

Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	16 - 20,000 Hz
Nominal impedance	5 Ω ± 10% per cartridge
Power handling capacity	200 mW
Ambient noise attenuation	12 dBA
Average pressure on ears	5 N
Weight without cable	400 g
Length and type of cable	3.0 m (9.84 ft) / straight cable with free ends

Version		
DT 48 A.00	5 Ω, 3.0 m (9.84 ft) / straight cable with free ends	Art.-No.101.060

DT 48 E

Closed monitoring headphone for ENG/EFP applications.



- Dynamic monitoring headphone for all sound recordings
- Meets the standards set by Nagra recorders, DAT and MD portable recorders
- High degree of efficiency
- Flat accurate frequency response
- Good ambient noise attenuation
- Rugged construction
- Nickel-plated spring steel, adjustable headband
- Excellent comfort for long-term wearing
- Single-sided cable

Headphone	
Transducer type	Dynamic
Operating principle	Closed
Frequency response	16 - 20,000 Hz
Nominal impedance	25 Ω / 200 Ω per cartridge
Power handling capacity	100 mW
Ambient noise attenuation	12 dBA
Average pressure on ears	5 N
Weight without cable	400 g
Length and type of cable	2.5 m (8.2 ft) / coiled cable
Connection	Gold-plated mini stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm)

Versions		
DT 48 E	25 Ω, 2.5 m (8.2 ft) / coiled cable	Art.-No. 404.306
DT 48 E	200 Ω, 2.5 m (8.2 ft) / coiled cable	Art.-No. 433.454

INTEGRATED LIMITER

HEADZONE®
PRO – PRO XT V2.1



Professional headphones and headsets with integrated limiter. Protect your hearing!

beyerdynamic professional series headphones and headsets can now be ordered with a high quality integrated level limiter. This new option, available throughout the range guarantees that an operator’s hearing is protected when the headphone is used over a prolonged period.

Designed to meet health and safety criteria, our passive circuitry which achieves an audio response similar to that of a complex, expensive VCA limiter. Our clever two-phase limiting concept incorporates firstly a smooth decrease of the audio signal by 6 dB then secondly a hard, protective, brickwall limit of the audio signal. This two step process ensures that sound quality is maintained throughout any peak in signal. The limiter threshold can be defined freely by the customer when ordering.

Besides the professional headsets from the DT 290 and DT 790 series, headphones from the DT 770 PRO series and DT 250 series can be ordered with an integrated level limiter.

Versions		
DT 250 LTD	Studio headphone, 80 Ω, with limiter and cable	Art.-No. 497.924
DT 250 LTD	Studio headphone, 250 Ω, with limiter and cable	Art.-No. 497.142
DT 252 LTD	Studio headphone (single-sided version), 80 Ω, with limiter and cable	Art.-No. 497.266
DT 280 MK II LTD	Single-sided headset, 80 Ω, dyn. microphone, with limiter, without cable	Art.-No. 497.983
DT 280 MKII LTD	Same as above, but 250 Ω	Art.-No. 497.975
DT 290 MK II LTD	Headset, 80 Ω, dyn. microphone, with limiter, without cable	Art.-No. 498.033
DT290 MKII LTD	Same as above, but 250 Ω	Art.-No. 497.851
DT 291 PV/MK II LTD	Headset, 80 Ω, condenser microphone (omnidirectional), with limiter, without cable	Art.-No. 488.615
DT 291 PVMKII LTD	Same as above, but 250 Ω	Art.-No. 498.017
DT 287 PVMKII LTD	Single-sided version, 80 Ω, cardioid condenser microphone, with limiter, without cable	Art.-No. 498.076
DT 287 PVMKII LTD	Single-sided version, 250 Ω, cardioid condenser microphone, with limiter, without cable	Art.-No. 498.025
DT 297 PVMKII LTD	Headset, 80 Ω, cardioid condenser microphone, with limiter, without cable	Art.-No. 490.881
DT 297 PVMKII LTD	same as above, but 250 Ω	Art.-No. 498.114
DT 770 PRO LTD	80 Ω, with limiter and cable	Art.-No. 497.215
DT 770 PRO LTD	250 Ω, with limiter and cable	Art.-No. 497.231
DT 790.00 LTD	80 Ω, with limiter and cable	Art.-No. 497.908
DT 797 PV LTD	250 Ω, with limiter and cable	Art.-No. 497.916



5.1 Monitoring-Headphone System

The “Headzone®” 5.1 surround-sound headphone system is the first mobile headphone system in the world to offer professional monitoring with virtual 5.1 playback.

The sound quality is on a par with a real 5.1 speaker arrangement. “Headzone®” provides a fantastic solution to all well known problems surrounding headphones, such as locating the sound source “within” the head, lack of spatial information and movement of the sound with the head. The basis for this technology is advanced digital signal processing (DSP), combined with patented ultrasonic-headtracking.

Today also a home version of the “Headzone®” headphone system is available for hifi enthusiasts’ private use, i.e. for use with home cinema, playing back surround music productions or gaming.

The Idea
Headzone® emerged from the idea of remodelling the effective parameters of an ideal auditory space with a certain loudspeaker set-up (up to 5.1) as convincingly and exactly as possible and to make this available in a compact and lightweight transportable device like an external sound card. With the help of the latest DSPenabled signal processing, Headzone® processes the audio channels in such a way that they are heard in the headphones exactly as they would in an actual room: outside the head, in fixed positions and with a realistic sound impression. In contrast to other surround simulations using headphones, which produce an impressive but very diffuse “spatial effect” due to stereoscopic image widening and reverberation effects, Headzone® performs just like a real 5.1 loudspeaker system in a high-quality control room. Each surround channel is reproduced as a separate, virtual loudspeaker and can be positioned exactly as required by the user. Headzone® places key emphasis on the maximum accuracy of reproduction.



Headzone®
PRO v2.1
9,5"



Headzone®
PRO XT v2.1
19", without
Headtracking

Headzone®
PRO XT HT v2.1
19", with
Headtracking



SPARE PARTS

Ear Cushions and Headbands

EDT 100 P	Ear cushions pair for DT 10*-versions, plush, black, suitable for the tropics	Art.-No. 945.576
EDT 100 S	Ear cushions pair for DT 10*-versions, softskin (standard), black	Art.-No. 907.003
EDT 100 T	Ear cushions pair for DT 10*-versions, cotton jersey, black, suitable for the tropics	Art.-No. 945.584
EDT 150 S	Ear cushions pair for DT 150 and DT 190, softskin, black	Art.-No. 931.532
EDT 232 V	Ear cushions pair for DT 231 PRO and DT 234 PRO, velours, black	Art.-No. 954.249
EDT 250 S	Ear cushions pair for DT 25*-, DT 28*- and DT 29*-versions, softskin, black	Art.-No. 943.549
EDT 250 V	Ear cushions pair for DT 25*-, DT 28*- and DT 29*-versions, velours, black (standard)	Art.-No. 942.704
EDT 48 R	Ear cushions pair for DT 48 A.00, rubber	Art.-No. 907.313
EDT 48 S	Ear cushions pair for DT 48 E-versions, softskin, black	Art.-No. 907.305
EDT 300 LS	Ear cushions pair for DT 770-versions, leather, black	Art.-No. 900.702
EDT 770 S	Ear cushions pair for DT 770 M, DT 79*-versions, softskin, black	Art.-No. 904.783
EDT 770 V	Ear cushions pair for DT 770-versions, velours, anthracite (standard)	Art.-No. 926.660
EDT 770 VB	Ear cushions pair for DT 770-versions and DT 79*-versions, velours, black	Art.-No. 906.166
EDT 990 S	Ear cushions pair for DT 990 PRO, softskin, black	Art.-No. 904.791
EDT 990 V	Ear cushions pair for DT 880-versions and DT 990 PRO, velours, anthracite (standard)	Art.-No. 926.679
EDT 990 VB	Ear cushions pair for DT 880-versions and DT 990 PRO, velours, black	Art.-No. 904.163
EDT 50 P	Ear cushions pair for DT 1350, softskin	Art.-No. 906.794
EDT 1350 VB	Ear cushions pair for DT 1350, velours	Art.-No. 908.363

Headband Pads

Headband pad	for DT 48-versions	Art.-No. 926.713
Headband pad	for DT 10*-versions	Art.-No. 908.715
Headband pad	for PRO-Series (DT 770-versions / DT 79*-versions / DT 880-versions / DT 990 PRO)	Art.-No. 990.681
Headband pad	for DT 150/190	Art.-No. 977.163
Headband	for DT 231 PRO and DT 234 PRO	Art.-No. 953.840
Headband pad	for DT 25*-, DT 28*- and DT 29*-versions	Art.-No. 903.886
Headband pad	for DT 1350	Art.-No. 906.875

Ear Seals

EDT Cotton Ear Hygiene Covers	(5 pairs) for DT 25*-versions, DT 28*-versions, DT 29*-versions, DT 770-versions, DT 79*-versions, DT 880-versions, DT 990 PRO	Art.-No. 488.070
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DT 100/150/200 Series – Headphones connection cables

K 100.07	Straight connecting cable for DT 10*-Versions, DT 150, with gold-plated mini stereo jack plug (3.5 mm) / 1/4" adapter (6.35 mm), 3.0 m (9.84 ft)	Art.-No. 482.153
WK 100.00	Coiled connecting cable with free ends for DT 10*-Versions, DT 150, 3.0 m (9.84 ft)	Art.-No. 101.788
WK 100.07	Coiled connecting cable for DT 10*-Versions, DT 150, with gold-plated mini stereo jack plug (3.5 mm) / 1/4" adapter (6.35 mm), 3.0 m (9.84 ft)	Art.-No. 101.826
K 250.07	Straight connecting cable for DT 25*-Versions, with gold-plated mini stereo jack plug (3.5 mm) / 1/4" adapter (6.35 mm), 3.0 m (9.84 ft)	Art.-No. 700.258
WK 250.07	Coiled connecting cable for DT 25*-Versions, with gold-plated mini stereo jack plug (3.5 mm) / 1/4" adapter (6.35 mm), 3.0 m (9.84 ft)	Art.-No. 442.070

K 100.07

WK 100.07

0 5 0 2 0 1

0 6 0 4 0 3

1

2

3

4

5

6

rt

sw

qe

+R

+R

+L

-L

Tip

K 250.07

WK 250.07

0 5 0 2 0 1

0 6 0 4 0 3

1

2

3

4

5

6

7

rt

sw

qe

+R

+R

+L

-L

Tip

DT 100 Series – Headset connection cables

K 109.00	Straight connecting cable with free ends, 1.5 m (4.92 ft)	Art.-No. 101.907
K 109.00	same as above, 3.0 m (9.84 ft)	Art.-No. 127.949
K 109.26	same as above, 1.5 m (4.92 ft), with 4-pin mini jack plug for SONY cameras (DR 100 compatible)	Art.-No. 491.802
K 109.28	Straight connecting cable with 4-pin XLR-female, 1.5 m (4.92 ft)	Art.-No. 220.132
K 109.38	Straight connecting cable with 5-pin XLR-male, 1.5 m (4.92 ft)	Art.-No. 406.538
K 109.40	Straight connecting cable with 3-pin XLR-male and 1/4" stereo jack (6.35 mm), 1.5 m (4.92 ft)	Art.-No. 449.121
K 109.42	Straight connecting cable with 4-pin XLR-male, 1.5 m (4.92 ft)	Art.-No. 446.548
K 109.48	same as above, 3.0 m (9.84 ft), 2 x mini stereo jack plug for multimedia applications	Art.-No. 481.688
WK 109.00	Coiled connecting cable with free ends, 3.0 m (9.84 ft)	Art.-No. 198.900

K 109.00
WK 109.00



05 02 01
06 04 03

1 2 3 4 5 6

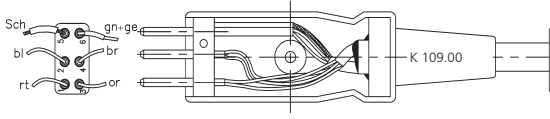
rt bl or br Sch gn+ge

Tip Tip Tip Tip Tip Tip

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rt bl or br Sch gn+ge

Tip Tip Tip Tip Tip Tip



K 109.00

K 109.26



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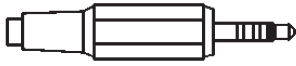
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K 109.28



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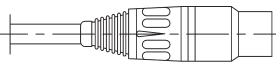
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Tip Tip Tip Tip Tip Tip



K 109.38



05 02 01
06 04 03

1 2 3 4 5 6

rt bl or br Sch gn+ge

Tip Tip Tip Tip Tip Tip

1 2 3 4 5 6

rt bl or br Sch gn+ge

Tip Tip Tip Tip Tip Tip



K 109.40



05 02 01
06 04 03

1 2 3 4 5 6

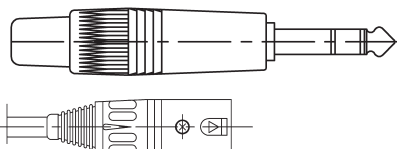
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Tip Tip Tip Tip Tip Tip

1 2 3 4 5 6

rt bl or br Sch gn+ge

Tip Tip Tip Tip Tip Tip



K 109.42



05 02 01
06 04 03

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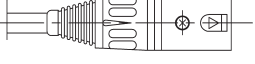
rt bl or br Sch gn+ge

Tip Tip Tip Tip Tip Tip

1 2 3 4 5 6

rt bl or br Sch gn+ge

Tip Tip Tip Tip Tip Tip



K 109.48



05 02 01
06 04 03

1 2 3 4 5 6

rt bl or br Sch gn+ge

Tip Tip Tip Tip Tip Tip

1 2 3 4 5 6

rt bl or br Sch gn+ge

Tip Tip Tip Tip Tip Tip



Headphone
Microphone

DT 190/200 Series – Headset connection cables

K 190.00	Straight connecting cable with free ends, 1.5 m (4.92 ft)	Art.-No. 431.575
K 190.00	same as above, 3.0 m (9.84 ft)	Art.-No. 441.937
K 190.26	same as above, 1.5 m (4.92 ft) with 4-pin mini jack plug for SONY cameras (DR 100 compatible)	Art.-No. 491.799
K 190.28	Straight connecting cable with 4-pin XLR-female, 1.5 m (4.92 ft)	Art.-No. 445.304
K 190.39	Straight connecting cable for V.11 versions with 5-pin XLR-male, for professional cameras (Sony, Philips, Ikegami), 1.5 m (4.92 ft)	Art.-No. 475.181
K 190.40	Straight connecting cable with 3-pin XLR-male and 1/4" stereo jack (6.35 mm), 1.5 m (4.92 ft)	Art.-No. 445.894
K 190.40	same as above, 3.0 m (9.84 ft)	Art.-No. 446.750
K 190.41	Straight connecting cable with 5-pin XLR-male, 1.5 m (4.92 ft)	Art.-No. 445.312
K 190.48	Straight connecting cable with 2 x mini stereo jack plug for multimedia applications	Art.-No. 479.470
WK 190.00	Coiled connecting cable with free ends, 3.0 m (9.84 ft)	Art.-No. 448.176

K 190.00
WK 190.00



05 02 01
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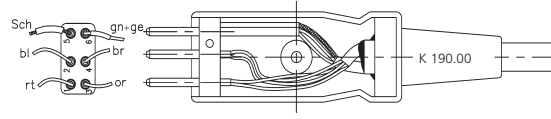
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K 190.00

K 190.26



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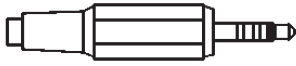
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K 190.28



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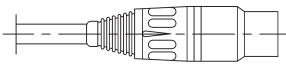
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K 190.39



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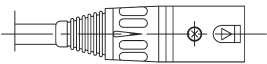
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Tip Tip Tip Tip Tip Tip Tip



K 190.40



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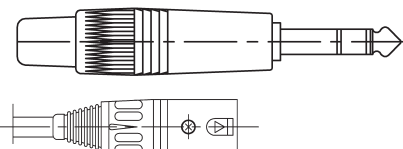
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Tip Tip Tip Tip Tip Tip Tip

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rt bl or br Sch gn ge

Tip Tip Tip Tip Tip Tip Tip



Tip Headphone
Jack NC3 FX-8
Microphone

K 190.41



05 02 01
06 04 03

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rt bl or br Sch gn ge

Tip Tip Tip Tip Tip Tip Tip

1 2 3 4 5 6 7

rt bl or br Sch gn ge

Tip Tip Tip Tip Tip Tip Tip



K 190.48



05 02 01
06 04 03

1 2 3 4 5 6 7

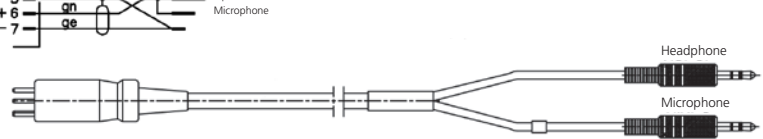
rt bl or br Sch gn ge

Tip Tip Tip Tip Tip Tip Tip

1 2 3 4 5 6 7

rt bl or br Sch gn ge

Tip Tip Tip Tip Tip Tip Tip



Headphone
Microphone

ABBREVIATIONS

bl = blue	gn = green	ws = white
br = brown	or = orange	Sch = shield
ge = yellow	rt = red	Schirm = shield

Special cables on request at
proaudio@beyerdynamic.de or Phone +49 (0) 71 31 / 6 17 - 4 40



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