Product Datasheet

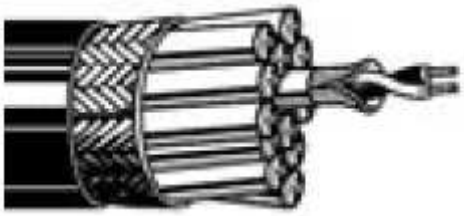
BE46207 SlimSnake™
AES/EBU Multi-Pair Snake Cable - halogenfree
16-Pair – 26AWG (0.14mm²)

Application

Professional broadcasting systems for the transmission of analogue and digital audio signals. Designed to meet the requirements of the AES/EBU specification. The cable is very flexible and has a small outer diameter for use in applications where space is limited.

Construction & Dimensions

4 3 2 1



1. **Conductor**
2. **Pair**
3. **Outer Shield**
4. **Jacket**

1. **Inner Conductor** Innenleiter - Conduttore Interno – Conducteur – Conductor – Проводник

Material	Stranded (7 x 0.16mm), tinned copper
Diameter	0.14 mm² (0.5 mm)

Insulation Isolation – Isolant - Isolamento – aislamiento - Изоляция

Material	Foam PE
Diameter over insulation	0.5 mm
Color of insulation	White and Blue, twisted

2. **Pair** Paar – Paire - Pare – Coppia - par - пары

Number of pairs	16
Diameter conductor	1.10 mm
Diameter pair	2.90 mm ± 0.06 mm
2.1 Separating foil	Polyester
2.2 Inner shield	Spiral Serve, tinned copper braid
Coverage	> 90%
2.3 Inner jacket	PA, Grey
Marking	each pair is numbered (app. 50 times/m)

3. **Outer shield** Gesamtschirm – Tresse générale - Schermatura esterna - blindaje exterior - внешний экран

3.1 Separating foil	Non woven
3.2 Outer shield	Tinned copper braid
Coverage	> 90%

Drainwire

Material	Stranded (7 x 0.16 mm), tinned copper
Diameter	0.14 mm² (0.5 mm)

4. **Jacket** Aussenmantel – Guaina – Gaine – Revestimiento - Оболочка

Material	halogenfree
Diameter:	15.30 ± 0.2 mm
Color and text:	see table Marking

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Requirements and test methods

Electrical characteristics

Mean characteristic impedance 1-6 MHz: 110 Ω ± 10%

Wellenwiderstand - Impedenza Caratteristica Principale - Impédance nominale - Características eléctricas - Электрические характеристики

Nominal capacitance conductor to conductor: 50 pF/m

Kapazitaet (Ader/Ader) - Capacità Nominale Conduttore/Schermo - Capacité nominale entre conducteur et blindage - Capacitancia nominal de conductor a blindaje - Номинальная емкость “проводник-проводник”

Nominal velocity of propagation: 60%

Ausbreitungsgeschwindigkeit - Velocità Nominale di Propagazione - Vitesse de propagation nominale - Velocidad nominal de propagación - Номинальная скорость распространения сигнала

Max. inner conductor DC resistance @ 20 ˚C: 135 Ω/km

Gleichstromwiderstand Innenleiter - Resistenza Nominale DC del Conduttore Interno - Résistance du conducteur intérieur - Resistencia CC nominal del conductor interno - Номин. сопротивление пост. току внутреннего проводника

Nominal Attenuation: Wellendaempfung - Attenuazione Nominale – Affaiblissement - Atenuación nominal - Номинальное затухание

MHz	dB/100m	MHz	dB/100m
0.1	0.9	4.0	9.5
1.0	2.3	10.0	16.0

Mechanical and physical characteristics

Temperature range - storage/operation -15°C to +70°C

Temperature range - installation -5 °C to + 70˚C

Minimum bending radius 10x Ø cable

Biegeradius - Raggio Minimo di Curvatura - Rayon de courbure minimum - Radio de curvatura mínimo - Минимальный радиус изгиба

Nominal cable weight 311 kg/km

Gewicht - Peso Nominale del Cavo – Poids - Peso nominal del cable - Номинальный вес кабеля

Ordering information

MARKING

Jacket colour	Text
Purple	BELDEN BE46207 SLIMSNAKE ™ MULTI-PAIR 16 PAIRS AES/EBU HALOGENFREE

Meter marking: yes, MM-YY: month and year of manufacturing

PACKAGING (PUT-UP, +/-10%)

250m and 500m

Each reel is labelled with the following data:
Belden Logo, Belden code number, item description, length on the reel and date of manufacturing.

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