

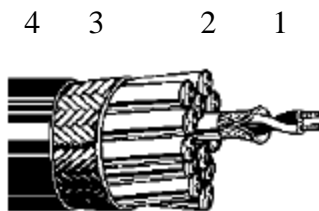
Product Datasheet  
**BE46315**  
**Analog Multi-Pair Snake Cable - PVC**  
**12-Pair – 26AWG (0.14mm<sup>2</sup>)**

Rev. 2/ 2005-05-20 2/2

**Application**

Belden 46-analog-series is a flexible audio snake cable with an overall braid shield. This makes the cable suitable for mobile applications. Jacketed pairs are individually numbered for easy identification.

**Construction & Dimensions**



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

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

Material	Stranded (18 x 0.10mm), tinned copper
Diameter	0.14 mm <sup>2</sup>

<b>Insulation</b> Isolation – Isolant - Isolamento – aislamiento - Изоляция	
Material	PE
Diameter over insulation	0.48 mm
Color of insulation	White and red, twisted
  
2. **Pair** Paar – Paire - Pare – Coppia - par - пары
 

Number of pairs	12
Diameter conductor	1.05 mm
Diameter pair	3.10 mm ± 0.06 mm

2.1 Separating foil	Polyester
2.2 Inner shield	Spiral Serve, tinned copper braid
Coverage	> 90%
2.3 Inner jacket	PVC, Grey
Marking	each pair is numbered (app. 50 times/m)
  
3. **Outer shield** Gesamtschirm – Tresse générale - Schermatura esterna - blindaje exterior - внешний экран
 

Outer shield	Tinned copper braid
Coverage	> 90%
  
4. **Jacket** Aussenmantel – Guaina – Gaine – Revestimiento - Оболочка
 

Material	PVC
Diameter:	16.2 ± 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:  $95 \Omega \pm 20 \Omega$

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

Nominal capacitance conductor to conductor: 60 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 capacitance conductor to shield: 110 pF/m

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

Nominal velocity of propagation: 66%

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

Max. inner conductor DC resistance @ 20 °C: < 260  $\Omega$ /km

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

**Mechanical and physical characteristics**

Temperature range - storage/operation -15°C to +75°C

Temperature range - installation -5 °C to + 75°C

Minimum bending radius 10x  $\varnothing$  cable

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

Nominal cable weight 339 kg/km

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



**Ordering information**

**MARKING**

Jacket colour	Text
Black	BELDEN BE46315 MULTI-PAIR AUDIO 12 PAIR SHIELDED

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

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

500m

Each reel is labelled with the following data:

Belden Logo, Belden code number, item description, length on the reel and date of manufacturing.