

Product Datasheet
BE46349
Microphone Cable
1-Pair – 24AWG (0.22mm²)

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

Application

Balanced microphone (MIC) cable is used for connecting low level microphones. Key properties of microphone cable are ruggedness, flexibility, flex life and interference immunity.

Construction & Dimensions

4 3 2 1



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

1. **Inner Conductor** Innenleiter - Conduttore Interno – Conducteur – Conductor - Проводник
 Material Stranded (32 x 0.10mm), bare copper
 Diameter 0.25 mm² (0.6 mm)

- Insulation** Isolation – Isolant - Isolamento – aislamiento - Изоляция
 Material PE
 Diameter over insulation 1.45 mm
 Color of insulation Red and Blue

2. **Outer shield** Gesamtschirm – Tresse générale - Schermatura esterna - blindaje exterior - внешний экран
 Outer shield Spiral Serve, bare copper braid
 Coverage > 90%

4. **Jacket** Aussenmantel – Guaina – Gaine – Revestimiento - Оболочка
 Material PVC
 Diameter: 6.1 ± 0.2 mm
 Color and text: see table Marking

Requirements and test methods

Electrical characteristics

Mean characteristic impedance: 47 Ω
 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: 60%

Product Datasheet
BE46349
Microphone Cable
1-Pair – 24AWG (0.22mm²)

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

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

Max. inner conductor DC resistance @ 20 °C: 78 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

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 42 kg/km

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



Ordering information

MARKING

Jacket colour	Text
Red, Yellow, Green, Blue, Grey, White and Black	BELDEN 46349 MICROPHONE CABLE

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

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

100m, 500m and 1000m

Each reel is labelled with the following data:

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