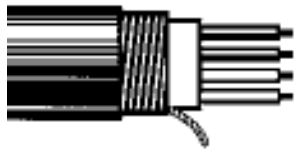


Application

Flexible DMX512 cable to be used for digital light signals

Construction & Dimensions

4 3 2 1



1. Conductor
2. Dielectric
3. Braid
4. Jacket

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

Material	Stranded (7 x 0.25mm), tinned copper
Diameter	0.34 mm ² (0.75 mm), 22AWG

Insulation Isolation – Isolant - Isolamento – aislamiento - Изоляция	
Material	PE
Diameter over insulation	1.35 mm ± 0.10

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

Number of pairs	2
Color of insulation	1-Pair: White and red, twisted 2-Pair: Green and black, twisted
Cable core	2 pairs twisted together

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

3.1 Outer shield	Alu foil
Coverage	100%
3.2 Outer shield	Tinned copper braid
Coverage	> 80%

<u>Drainwire</u>	
Material	Stranded (7 x 0.20mm), tinned copper
Diameter	0.22 mm ² (0.61 mm), 24AWG
Position	Over foil, under shielding braid

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

Material	PVC
Diameter:	6.8 ± 0.2 mm
Color and text:	see table Marking

Requirements and test methods

Electrical characteristics

Mean characteristic impedance: 110 Ω

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

Nominal capacitance conductor to shield: 70 pF/m

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

Max. inner conductor DC resistance @ 20 °C: 25 Ω/km

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

Max. outer conductor DC resistance @ 20 °C: 15 Ω/km

Gleichstromwiderstand Aussenleiter - Resistenza Nominale DC del Conduttore Esterno - Résistance du conducteur extérieur - Resistencia CC nominal del conductor externo - Номин. сопротивление пост. тока внутреннего проводника при

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 61 kg/km

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



Ordering information

MARKING

Jacket colour	Text
Black, Blue	BELDEN 43906 DMX 512

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

PACKAGING (PUT-UP)

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.

* max. 3 peak values 4 dB lower than specified