

4-wires, balanced, outdoor

SOMMER CABLE - SC-BINARY 434 DMX512

 stage
  mobile
  studio
  installation
  ela

 ANALOG
  DIGITAL
  TERRA
  OFC


PMB
 PUR MASTER BLEND


 STRONG
 SPVC

One step forward and one step back...

and round and round, that's not so hard. When data has to be passed back and forth, then a digital cable with a check-back channel should be used. The surge impedance for this cable is also set at 110 Ohm. Two of the 4 wires are responsible for the check-back function. The robust outer jacket is suitable for outdoor and permanent installation.

Color coding according to DIN 47100.

Due to the double shielding (AL/PT-foil + copper braiding) and wire coding it conforms with the generally applicable guidelines (VDE 0812/VDE 0207).

The PE-version is halogen-free and resistant to saltwater, which makes it suitable for in-ground installation. The flexible longitudinal water-tight PUR-blend-version is suitable for outdoor application.

THE ADVANTAGES:

- Digital transmission over long distances due to DMX- and AES/EBU-Standards
- Very good protection against electrical interference (copper braiding + AL/PT-foil)
- Extremely robust due to the special tough jacket
- PE-version, resistant to salt water and suitable for ground installation

THE APPLICATION:

- Networking scanners and lighting units with feedback function
- Connection of digital controls and various types of units
- PE-version for ground installation, resistant to salt water
- PUR-blend version for mobile outdoor application

TECHNICAL DATA:

Construction	[2(2LI2YS0,34mm ²)(ST)]CY
Jacket, diameter	PVC 7,0 mm
AWG	22
No. of inner conductors	4 x 0,34 mm ²
Copper strand per conductor	7 x 0,25 mm

Conductor insulation	PE 1,7 mm
Shielding	copper-cross mesh, tin-plated + AL/PT-foil
Shielding factor	100 %
Temperature range	min. -25 °C
Temperature range	max. 70 °C
Fire load per m	0,22 kWh
Weight per 1 m	65 g
Packaging	100 m roll
Colour	■ grey

ELECTRICAL DATA:

Capac. cond./cond. per 1 m	65 pF
Capac. cond./shield. per 1 m	245 pF
Cond. resistance per 1 km	53 Ohm
Shield. resistance per 1 km	15 Ohm
Insulation resist. per 1 km	> 5 GOhm
Surge impedance	110 Ohm
Transmission speed	acc. to EIA 485 standard 256 Kbs

ORDER DATA:

Jacket, diameter	PVC 7,0 mm	PE 7,0 mm	PUR-Blend 7,0 mm	PVC 7,0 mm
Colour	■ grey	■ black	■ black	■ black
Type	---	PE	PUR-Blend	---
Order No.	540-0056	540-0051PE	541-0051	540-0051