

# J-2Y(St)Y St III Bd 16 Mbits/s (Kat. 3) ISDN/EDV (Z = 100 Ohm), meter marking



B

## Technical data

- Special core insulation of PE Adapted to DIN VDE 0815 and 0816
- **Conductor loop-resistance**  
max. 130 Ohm/km
- **Temperature range**  
flexing -5 °C to +70 °C  
fixed installation -40 °C to +70 °C
- **Operating peak voltage** 300 V  
(not for purposes of high current and power installation)
- **Test voltage** 800 V
- **Insulation resistance**  
min. 5 GOhm x km
- **Mutual capacitance** 48 nF/km
- **Characteristic impedance (Z)**  
at 4-16 MHz: 100 Ohm 15%
- **Capacitance unbalance**  
K<sub>1</sub> max. 400 pF/300 m  
K<sub>9</sub>-K<sub>12</sub> max. 100 pF/300 m
- **Rel. velocity ratio** approx. 0,66
- **Attenuation** at  
1 MHz: 28 dB/km  
4 MHz: 47 dB/km  
5 MHz: 51 dB/km  
10 MHz: 65 dB/km  
15 MHz: 76 dB/km  
16 MHz: 78 dB/km  
20 MHz: 89 dB/km
- **Cross-talk attenuation**  
from 4 MHz up to 16 MHz  
for 2 pairs: min. 40 dB  
4 pairs and above: min. 25 dB
- **Minimum bending radius**  
stationary approx. 10x cable ø

## Cable structure

- Bare, solid copper conductor 0,6 mm ø
- Core insulation of PE Colour coding to DIN VDE 0815
- Conductors twisted to quads
- 5 quads twisted to units
- Static screen of plastics coated alu foil with drain wire 0,6 mm ø
- PVC outer sheath, to DIN VDE 0207 part 5
- Colour grey (RAL 7032)
- with meter marking, change-over in 2011

## Properties

- PVC sheath:  
self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers.

## Application

Used as data transmission and connection cable suitable for fixed installation in and under plaster, for data transmission applications, for periphery instrument data processing computers.

Suitable for transmission of analog- and digital signals up to 16 Mbit/s. High cross-talk attenuation values.

Suitable as connecting cable for periphery equipment, data processing systems, monitors, Printers and cash register systems.

The static screen (St) screen assures a disturbance-free data and signal transmission for measuring and control systems.

These cables are not allowed for purposes of high current and power installation.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No.pairs x cross-sec. mm	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
33200	2 x 2 x 0,6	6,1	13,0	44,0
33201	4 x 2 x 0,6	7,5	24,0	80,0
33202	6 x 2 x 0,6	7,7	35,0	86,0
33203	8 x 2 x 0,6	8,8	46,0	105,0
33204	10 x 2 x 0,6	8,9	58,0	112,0
33205	20 x 2 x 0,6	12,7	116,0	218,0

Part no.	No.pairs x cross-sec. mm	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
33206	30 x 2 x 0,6	14,0	172,0	302,0
33207	40 x 2 x 0,6	16,8	229,0	376,0
33208	50 x 2 x 0,6	17,5	266,0	480,0
33209	60 x 2 x 0,6	17,9	342,0	560,0
33210	80 x 2 x 0,6	24,4	455,0	748,0
33211	100 x 2 x 0,6	26,0	588,0	940,0

Dimensions and specifications may be changed without prior notice. (RB01)