JE-Y(St)Y/EB ... Bd Si acc. to VDE 0815

Construction

- Conductor: copper wire bare
  massive 0,8 mm diameter
- Core insulation: special PVC
- Marking of cores: acc.to VDE 0815
- Each two cores twisted to a pair, each 4 pairs to a bündle, the bundles stranded in layers to a core.
  In the two-paired cable, the 4 cores are twisted to a star quad.
  The bundles are banded with foil.
- Static screen of plastic coated aluminum foil with Cu-drain wire, tinned
- Outer sheath: special PVC
- Sheath color: blue, RAL 5015

Technical Data

- Operating voltage max.: 300 V
  (not allowed for strong current applications!)
- Test voltage/ effective value /50 Hz): core/core 500 V
  core/screen 2000 V
- Conductor resistance (loop) at +20°C: max. 73,2 Ω/km
- Insulation resistance: ≥ 100 MΩ x km
- Operating capacity at 800 Hz: max. 100 nF/km
  (for cables with up to 4 cores a 20%-transgression of values is permitted)
- Attenuation at 800 Hz: approx. 0,11 dB/100 m
- Capacitive coupling at 800 Hz: max. 200 pF/100 m
  (20 % of the values, min. but one value, may be up to 400 pF)
- Bending radius: 15 x cable diameter
- Temperature range
  moved -5°C to +50°C
  unmoved -30°C to +70°C

Properties

- Flame resistance acc. to IEC 60332-1

Ø mm²	Cu-Weight kg/km	Outer-Ø mm	Total-Weight kg/km	Article number
2 x 2 x 0,8	25,0	5,8	60,0	4270202080
4 x 2 x 0,8	45,0	7,6	100,0	4270405080
8 x 2 x 0,8	85,0	10,1	165,0	4270802080
12 x 2 x 0,8	126,0	10,7	240,0	4271202080
16 x 2 x 0,8	166,0	12,2	300,0	4271602080

Ø mm²	Cu-Weight kg/km	Outer-Ø mm	Total-Weight kg/km	Article number
20 x 2 x0,8	206,0	13,3	360,0	4272002080
24 x 2 x 0,8	246,0	14,0	430,0	4272402080
28 x 2 x 0,8	287,0	14,4	490,0	4272802080
32 x 2 x 0,8	327,0	18,0	555,0	4273202080
36 x 2 x 0,8	367,0	18,5	605,0	4273602080

- Further formats available on request
- All data and products subject to change