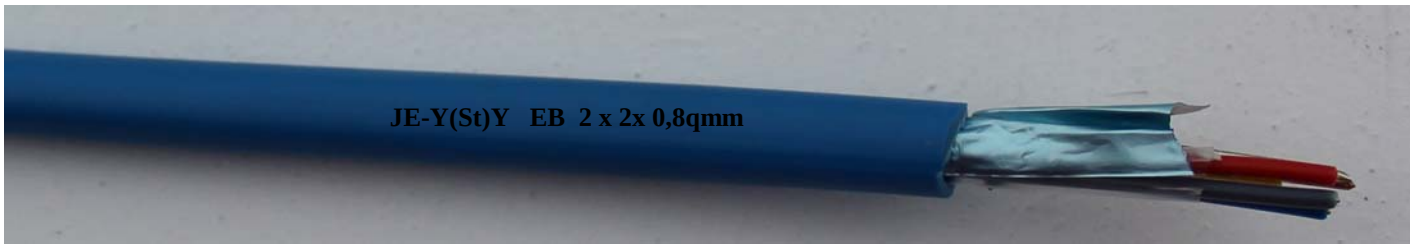
KENEX
SPEZIALKABEL / SPEZIALLEITUNGEN

# *JE-Y(St)Y EB*

***Installation cable for intrinsically safe systems with overall foil screen to VDE 0815***




| | |
|---|---|
| **conductor material:** | bare solid copper wire 0.8 mm diameter |
| **insulation:** | special PVC |
| **cores:** | core identification to DIN 0815,<br>cores twisted in pairs, 4 pairs forming a bunch; bunches twisted in layers to form a core assembly. In the case of two-paired cables 4 cores are twisted to form a star quad cable. Bunches lapped with film. |
| **screening:** | static screen made of plastics laminated aluminium foil with Cu tracer strand, tinned |
| **outer sheath:** | special PVC |
| **sheath colour:** | blue RAL 5015 |
| **peak operating voltage:** | 225 V (not approved for use as mains power cable) |
| **test voltage/RMS (50Hz):** | 500 V = core/core<br>2000 V = core/screen |
| **insulation resistance:** | ≥100 Mohm x km |
| **mutual capacitance at 800 Hz:** | max. 100 nF/km (This value may be exceeded by up to 20% for cables consisting of up to 4 pairs) |
| **attenuation at 800 Hz:** | approx. 0.11 dB/100 m |
| **capacitance coupling at 800 Hz:** | max. 200 pF/100m<br>(20% of the values and at least one value are allowed to be up to 400pF) |
| **bending radius:** | 15 x cable diameter |
| **temperature range:** | -5 to +70°C flexible<br>-30 to +70°C stationary |
| **flame retardant:** | to IEC 60332-1 |

**application:** This cable is designed for the transmission of signals and measuring vlues in balanced circuits. Applications include control and measuring technology, power electronics and information processing, for example in connection with process computers. Also suitable for use as connecting cable for telephone systems as well as paging and intercom systems. Designed for stationary installation, but also suitable for flexible applications. Installation in dry and damp environments indoors.

*The products and information presented here are for technical calculation only.*
*They are subject to technical progress and in no way represent the ability of shipment.*
*Outer diameters are approximately.*

KENEX
SPEZIALKABEL / SPEZIALLEITUNGEN

# *JE-Y(St)Y EB*

***Installation cable for intrinsically safe systems with overall foil screen to VDE 0815***

| KENEX PART NUMBER | NUMBER CORES X CROSS SECTION MM² | OUTER Ø APPROX. MM | COPPER WEIGHT KG/KM | CABLE WEIGHT KG/KM |
|---|---|---|---|---|
| 3501208EBL | JE-Y(St)Y EB 01 x 2 x 0,8 | 5,2 | 15,0 | 40 |
| 3502208EBL | JE-Y(St)Y EB 02 x 2 x 0,8 | 5,8 | 25,0 | 60 |
| 3504208EBL | JE-Y(St)Y EB 04 x 2 x 0,8 | 7,6 | 45,0 | 100 |
| 3508208EBL | JE-Y(St)Y EB 08 x 2 x 0,8 | 10,1 | 85,0 | 165 |
| 3512208EBL | JE-Y(St)Y EB 12 x 2 x 0,8 | 10,7 | 126,0 | 240 |
| 3516208EBL | JE-Y(St)Y EB 16 x 2 x 0,8 | 12,2 | 166,0 | 300 |
| 3520208EBL | JE-Y(St)Y EB 20 x 2 x 0,8 | 13,3 | 206,0 | 360 |
| 3524208EBL | JE-Y(St)Y EB 24 x 2 x 0,8 | 14,0 | 246,0 | 430 |
| 3528208EBL | JE-Y(St)Y EB 28 x 2 x 0,8 | 14,4 | 287,0 | 490 |
| 3532208EBL | JE-Y(St)Y EB 32 x 2 x 0,8 | 18,0 | 327,0 | 555 |
| 3536208EBL | JE-Y(St)Y EB 36 x 2 x 0,8 | 18,5 | 367,0 | 605 |
| 3540208EBL | JE-Y(St)Y EB 40 x 2 x 0,8 | 19,1 | 407,0 | 675 |
| 3548208EBL | JE-Y(St)Y EB 48 x 2 x 0,8 | 20,1 | 488,0 | 685 |
| 3560208EBL | JE-Y(St)Y EB 60 x 2 x 0,8 | 22,3 | 608,0 | 975 |
| 3580208EBL | JE-Y(St)Y EB 80 x 2 x 0,8 | 26,6 | 809,0 | 1295 |
| 35100208EBL | JE-Y(St)Y EB 100 x 2 x 0,8 | 27,7 | 1015,0 | 1580 |