

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,

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 PVCsheath 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

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

(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

-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.



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KENEX	NUMBER COF	RES	OUTER Ø	COPPER	CABLE
PART	X		APPROX.	WEIGHT	WEIGHT
NUMBER	CROSS SECT	ION MM ²	MM	KG/KM	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