

# Cable for industrial electronics

## JE-Y(St)Y acc. to VDE 0815



<b>conductor material:</b>	bare copper
<b>conductor construction:</b>	solid
<b>insulation:</b>	PVC YI3
<b>covering of strand:</b>	Plastic-foil
<b>screen:</b>	Plastic coated Al-foil + solid copper drain wire
<b>sheathing material:</b>	PVC TM1
<b>colour of outer sheath:</b>	grey RAL 7032, alternative blue RAL 5015
<b>flame retardant:</b>	VDE 0482-332-1-2/IEC 60332-1
<b>max. operating temperature, fixed:</b>	-30 - +70 °C
<b>bending radius, fixed installation:</b>	7,5 x DA
<b>coupling K1:</b>	200 pF
<b>operating capacity:</b>	100 nF/km
<b>loop resistance:</b>	73,2 Ohm/km
<b>nominal voltage U:</b>	225 V
<b>test voltage:</b>	0,5 kV
<b>core identification:</b>	colours + rings

**Application:** For signal transmission between electronic devices, in computer systems or process control units. For installation in dry and wet rooms.

**Additional information:** Stranding: cores twisted into pairs, 4 pairs layed up into sub-units (2-pairs cable stranded as one star-quad), sub-units layed up in layers  
 Core identification: The basic colour of each bunch are continuous sequence: blue, red, grey, yellow, green, brown, white, black  
 The bundles are identified by the colour of the rings on the insulation or a colored tape.



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.

Table: Technical characteristics JE-Y(St)Y

p/n	part name	D <sub>A</sub> [mm]	G [kg]	Cu [kg/km]	p/n	part name	D <sub>A</sub> [mm]	G [kg]	Cu [kg/km]
100106	JE-Y(St)Y 02X2X0,8 GR	7	60	25	101300	JE-Y(St)Y 01X2X0,8 BL	5,2	41	15
100107	JE-Y(St)Y 04X2X0,8 GR	9	96	45	100484	JE-Y(St)Y 02X2X0,8 BL	7	60	25
100108	JE-Y(St)Y 08X2X0,8 GR	11,5	158	85	100496	JE-Y(St)Y 04X2X0,8 BL	9	96	45
100109	JE-Y(St)Y 12X2X0,8 GR	14	235	126	100481	JE-Y(St)Y 08X2X0,8 BL	11,5	158	85
100110	JE-Y(St)Y 16X2X0,8 GR	15,5	295	166	101055	JE-Y(St)Y 12X2X0,8 BL	14	235	126
100111	JE-Y(St)Y 20X2X0,8 GR	16,5	355	206	100482	JE-Y(St)Y 16X2X0,8 BL	15,5	295	166
100112	JE-Y(St)Y 24X2X0,8 GR	19	430	246	100483	JE-Y(St)Y 20X2X0,8 BL	16,5	355	206
100113	JE-Y(St)Y 32X2X0,8 GR	21	555	327	101275	JE-Y(St)Y 24X2X0,8 BL	19	430	246
100114	JE-Y(St)Y 40X2X0,8 GR	22,5	670	407	100850	JE-Y(St)Y 32X2X0,8 BL	20	538	327
100115	JE-Y(St)Y 48X2X0,8 GR	26,6	740	488	100711	JE-Y(St)Y 02X2X1 BL	7,5	76	36
100116	JE-Y(St)Y 80X2X0,8 GR	31	1290	809	100712	JE-Y(St)Y 04X2X1 BL	10	127	67
100117	JE-Y(St)Y 100X2X0,8 GR	32	1495	1015	100713	JE-Y(St)Y 08X2X1 BL	12	216	129

p/n	part name	D <sub>A</sub> [mm]	G [kg]	Cu [kg/km]
100714	JE-Y(St)Y 16X2X1 BL	16,9	410	253

p/n	part name	D <sub>A</sub> [mm]	G [kg]	Cu [kg/km]
101683	JE-Y(St)Y 48X2X0,8 BL	26,6	740	488

DA	outer diameter
G	weight
Cu	copper