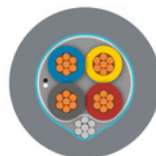


Instrumentation cable

RD-Y(St)Y ... Bd



Application: In measuring and control circuits of industrial installations for transfer of analogue and digital data up to 10 kHz. For fixed installation inside buildings. The version with blue outer sheath is suitable for application in intrinsically safe circuits.

Construction and technical data:

CPR-classification according to EN 50575:	Eca
Conductor material:	copper, bare
Conductor construction:	class 2, 7-wired construction
Insulation:	PVC
Suitable for Maxi-Termi-Point applications:	yes
Screen:	plastic coated Al-foil + copper drain wire, tinned
Screen over strand:	Foil
Drain wire:	yes
Sheathing material:	PVC
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed, °C:	-5 - +70 °C
Permitted outer cable temperature, moved, °C:	-5 - +50 °C
Bending radius, fixed installation:	7.5 x Ø
Impedance:	130 Ohm
Insulation resistance:	100 MOhm x km
Specific inductivity:	0.7 mH/km
Coupling K1:	200 pF



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.

Stranding	cores into pairs (2-pair as a star-quad), 4 pairs into a bunch, bunches in layers. Identification of bunches by numbered helix
Core identification	blue, red; grey, yellow; green, brown; white, black

RD-Y(St)Y ... Bd grey**Maximum operating capacity:** 120 nF/km**peak operating voltage, V:** 225 V

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
100928	01X2X0.5	39.2	5.5	15	35
100443	02X2X0.5	39.2	6.1	25	60
100445	04X2X0.5	39.2	8.1	45	95
100446	08X2X0.5	39.2	11.5	85	157
100447	12X2X0.5	39.2	13.1	125	229
100448	16X2X0.5	39.2	13.7	165	290
100394	24X2X0.5	39.2	16.3	245	422
100449	32X2X0.5	39.2	21.1	325	535
100450	48X2X0.5	39.2	23.1	485	796
100395	96X2X0.5	39.2	30.5	965	1410
100970	02X2X1	18.4	7.6	51	130
100972	04X2X1	18.4	10.4	91	198
100974	08X2X1	18.4	15.2	172	341
100444	16X2X1	18.4	18.2	332	670

RD-Y(St)Y ... Bd blue**Maximum operating capacity:** 120 nF/km**peak operating voltage, V:** 225 V

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
100929	1X2X0.5	39.2	5.5	15	35
100602	02X2X0.5	39.2	6.1	25	60
100580	04X2X0.5	39.2	8.1	45	95
100501	08X2X0.5	39.2	11.5	85	157
100958	12X2X0.5	39.2	13.1	125	229
100723	16X2X0.5	39.2	13.7	165	290
100581	24X2X0.5	39.2	16.3	245	422
100502	32X2X0.5	39.2	21.1	325	535
100724	48X2X0.5	39.2	23.1	485	796
100971	02X2X1	18.4	7.6	51	130
100973	04X2X1	18.4	10.4	91	198
100975	08X2X1	18.4	15.2	172	341
100962	16X2X1	18.4	18.2	332	670

RI	Conductor resistance
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000