Instrumentation cable
RE-2Y(St)Yv_BL

Application: For data communication at medium transmission rates up to 200 kBit/s in MSR and EDP systems. Transmission characteristics are guaranteed by high-quality stranding and screening. For fixed installation in dry and damp rooms and directly in ground. The cable can be used for installation in hazardous areas with type of protection -Ex i-.

Construction and technical data:

- two cores twisted into pairs + 1 communication core 0.5 sqmm orange (multi pair-version)
- pairs laiyed up in layers
- separating tape
- screen of Al coated foil with tinned drain wire
- outer sheath

CPR-classification according to EN 50575:	Eca
Conductor material:	copper, bare
Conductor construction:	class 2, 7-wired construction
Insulation:	polyethylene
Suitable for Maxi-Termi-Point applications:	yes
Screen:	plastic coated aluminium foil + solid copper drain wire
Sheathing material:	PVC YM1
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
For outdoor use:	no
Permitted outer cable temperature, fixed, °C:	-30 - +50 °C
Permitted outer cable temperature, moved, °C:	-5 - +50 °C
Bending radius, fixed installation:	7.5 x Ø
Insulation resistance:	5 MOhmxkm
Specific inductivity:	0.75 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.

RE-2Y(St)Yv blue 0.5 sqmm

Conductor resistance: 39.2

Maximum operating capacity: 75 nF/km

Test voltage: 2 kV

Core identification: core A: black, core B: white with number

peak operating voltage, V: 300 V

part no.	part name	Ø [mm]	Cu	G [kg]
100804	01X2X0.5 BU	8.2	15	74
100805	02X2X0.5 BU	10.2	30	117
100806	04X2X0.5 BU	11.5	50	138
100807	06X2X0.5 BU	12.6	70	190
100808	08X2X0.5 BU	13.8	90	210
100809	10X2X0.5 BU	14.9	110	220
100810	12X2X0.5 BU	15.7	130	273
100811	16X2X0.5 BU	17.5	170	348
100812	20X2X0.5 BU	18.8	210	383
100813	24X2X0.5 BU	20.2	250	467
100814	36X2X0.5 BU	24.1	370	654
100815	48X2X0.5 BU	27.5	490	851

RE-2Y(St)Yv blue 0.75 sqmm

Conductor resistance: 24.6

Maximum operating capacity: 75 nF/km

Test voltage: 2 kV

Core identification: core A: black, core B: white with number

peak operating voltage, V: 300 V

part no.	part name	Ø [mm]	Cu	G [kg]
100816	01X2X0.75 BU	7.9	20	72
100817	02X2X0.75 BU	10.6	35	127
100818	04X2X0.75 BU	11.8	65	167
100819	06X2X0.75 BU	13.6	95	215
100820	08X2X0.75 BU	14.6	125	262
100821	10X2X0.75 BU	16.1	155	308
100822	12X2X0.75 BU	17.1	185	353
100823	16X2X0.75 BU	19.1	245	443
100824	20X2X0.75 BU	21.5	305	523
100825	24X2X0.75 BU	23.2	365	615
100826	36X2X0.75 BU	28.2	532	940
100827	48X2X0.75 BU	32.1	708	1250

RE-2Y(St)Yv blue 1.3 sqmm

Conductor resistance: 14.2

Maximum operating capacity: 100 nF/km

Test voltage: 2 kV

Core identification: core A: black, core B: white with number

peak operating voltage, V: 300 V

part no.	part name	Ø [mm]	Cu	G [kg]
100828	01X2X1.3 BU	9.4	31	102
100829	02X2X1.3 BU	11.7	62	161

part no.	part name	Ø [mm]	Cu	G [kg]
100830	04X2X1.3 BU	13.5	114	230
100831	06X2X1.3 BU	16.1	168	310
100832	08X2X1.3 BU	17.1	218	376
100833	12X2X1.3 BU	19.3	322	515
100834	16X2X1.3 BU	22.1	426	654
100835	24X2X1.3 BU	26.5	684	951
100836	01X3X1.3 BU	9.7	44	111

RE-2Y(St)Yv blue 1.0 sqmm

Conductor resistance: 18.1

Maximum operating capacity: 100 nF/km

Test voltage: 2 kV

Core identification: core A: black, core B: white with number

peak operating voltage, V: 300 V

part no.	part name	Ø [mm]	Cu	G [kg]
101810	01X2X1 BU	8.2	26.5	80
101811	02X2X1 BU	11	53.8	140
101812	12X2X1 BU	18	272.7	435
101813	16X2X1 BU	19.5	360.1	530
101814	24X2X1 BU	23.5	540	755

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

