Instrumentation cable
RE-2Y(St)Yv

Application: For data communication with 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 areas, outdoors and direct burial in the ground.

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:	yes
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 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]
100777	01X2X0.5 BK	8.2	15	74
100778	02X2X0.5 BK	10.2	30	117
100727	04X2X0.5 BK	11	50	138
100779	06X2X0.5 BK	12.6	70	190
100780	08X2X0.5 BK	13.8	90	210
100781	10X2X0.5 BK	14.9	110	220
100728	12X2X0.5 BK	15.7	130	273
100782	16X2X0.5 BK	17.5	170	348
100783	20X2X0.5 BK	18.8	210	383
100729	24X2X0.5 BK	20.2	250	467
100784	36X2X0.5 BK	24.1	370	654
100785	48X2X0.5 BK	27.5	490	851

RE-2Y(St)Yv 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]
100786	01X2X0.75 BK	7.9	20	72
100754	02X2X0.75 BK	10.6	35	127
100787	04X2X0.75 BK	11.8	65	167
100788	06X2X0.75 BK	13.6	95	215
100789	08X2X0.75 BK	14.6	125	262
100790	10X2X0.75 BK	16.1	155	308
100755	12X2X0.75 BK	17.1	185	353
100791	16X2X0.75 BK	19.1	245	443
100792	20X2X0.75 BK	21.5	305	523
100793	24X2X0.75 BK	23.2	365	615
100794	36X2X0.75 BK	28.2	532	940
100795	48X2X0.75 BK	32.1	708	1250

RE-2Y(St)Yv 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]
100796	01X2X1.3 BK	9.4	31	102
100703	02X2X1.3 BK	11.7	62	161

© 2024 · Klaus Faber AG · all rights reserved KLAUS FABER AG · Europaallee 33 · 66113 Saarbrücken · Germany · T +49 681 9711 - 0

part no.	part name	Ø [mm]	Cu	G [kg]
100797	04X2X1.3 BK	13.5	114	230
100798	06X2X1.3 BK	16.1	168	310
100799	08X2X1.3 BK	17.1	218	376
100800	12X2X1.3 BK	19.3	322	515
100801	16X2X1.3 BK	22.1	426	654
100802	24X2X1.3 BK	26.5	684	951
100803	01X3X1.3 BK	9.7	44	111

RE-2Y(St)Yv 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]
101804	01X2X1 BK	8.2	26.5	80
101805	02X2X1 BK	11	53.8	140
101806	12X2X1 BK	18	272.7	435
101808	24X2X1 BK	23.5	540	755

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

© 2024 · Klaus Faber AG · all rights reserved KLAUS FABER AG · Europaallee 33 · 66113 Saarbrücken · Germany · T +49 681 9711 - 0