

conductor material:	bare copper		
conductor construction:	cl.2, 7-wired construction		
insulation:	polyethylene		
screen:	Plastic coated Al-foil + solid copper drain wire		
sheathing material:	PVC TM1		
insulation resistance:	5 MOhm \times km		
specific inductivity:	0,75 mH/km		
coupling K1:	200 pF		
maxi-termi-point termination:	yes		
flame retardant:	VDE 0482-332-1-2/IEC 60332-1		
bending radius, fixed installation:	7,5 x DA		
max. operating temperature, fixed:	-30 - +50 °C		
temperature, moved/during installation:	-5 - +50 °C		
nominal voltage U:	RE-2Y(St)Yv 0,5 qmm	RE-2Y(St)Yv 0,75 qmm	RE-2Y(St)Yv 1,3 qmm
	300 V	300 V	300 V
test voltage:	2000 V	2000 V	2000 V
conductor resistance:	39,2 Ohm/km	24,6 Ohm/km	14,3 Ohm/km
operating capacity:	75 nF/km	75 nF/km	100 nF/km
core identification:	core A: black, core B: white with number	core A: black, core B: white with number	core A: black, core B: white with number

Construction:

- two cores twisted into pairs + 1 communication core 0,5 sqmm orange (multi pair-version)
- pairs laid up in layers
- separating tape
- screen of Al coated foil with tinned drain wire
- outer sheath

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, in outdoor and direct burial in earth.



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 data RE-2Y(St)Yv 0,5 qmm

Art.-Nr.	part name	DA [mm]	G [kg/km]	CU
100777	RE-2Y(St)Yv 01X2X0,5 SW IEC 332-3-1	8,2	74	15
100804	RE-2Y(St)Yv 01X2X0,5 BL IEC 332-3-1	8,2	74	15
100778	RE-2Y(St)Yv 02X2X0,5 SW IEC 332-3-1	10,2	117	30
100805	RE-2Y(St)Yv 02X2X0,5 BL IEC 332-3-1	10,2	117	30
100727	RE-2Y(St)Yv 04X2X0,5 SW IEC 332-3-1	11	138	50
100806	RE-2Y(St)Yv 04X2X0,5 BL IEC 332-3-1	11,5	138	50
100779	RE-2Y(St)Yv 06X2X0,5 SW IEC 332-3-1	12,6	190	70
100807	RE-2Y(St)Yv 06X2X0,5 BL IEC 332-3-1	12,6	190	70
100780	RE-2Y(St)Yv 08X2X0,5 SW IEC 332-3-1	13,8	210	90
100808	RE-2Y(St)Yv 08X2X0,5 BL IEC 332-3-1	13,8	210	90
100781	RE-2Y(St)Yv 10X2X0,5 SW IEC 332-3-1	14,9	220	110
100809	RE-2Y(St)Yv 10X2X0,5 BL IEC 332-3-1	14,9	220	110
Art.-Nr.	part name	DA [mm]	G [kg/km]	CU
100728	RE-2Y(St)Yv 12X2X0,5 SW IEC 332-3-1	15,7	273	130
100810	RE-2Y(St)Yv 12X2X0,5 BL IEC 332-3-1	15,7	273	130
100782	RE-2Y(St)Yv 16X2X0,5 SW IEC 332-3-1	17,5	348	170
100811	RE-2Y(St)Yv 16X2X0,5 BL IEC 332-3-1	17,5	348	170
100783	RE-2Y(St)Yv 20X2X0,5 SW IEC 332-3-1	18,8	383	210
100812	RE-2Y(St)Yv 20X2X0,5 BL IEC 332-3-1	18,8	383	210
100729	RE-2Y(St)Yv 24X2X0,5 SW IEC 332-3-1	20,2	467	250
100813	RE-2Y(St)Yv 24X2X0,5 BL IEC 332-3-1	20,2	467	250
100784	RE-2Y(St)Yv 36X2X0,5 SW IEC 332-3-1	24,1	654	370
100814	RE-2Y(St)Yv 36X2X0,5 BL IEC 332-3-1	24,1	654	370
100785	RE-2Y(St)Yv 48X2X0,5 SW IEC 332-3-1	27,5	851	490
100815	RE-2Y(St)Yv 48X2X0,5 BL IEC 332-3-1	27,5	851	490

table: technical data RE-2Y(St)Yv 0,75 qmm

Art.-Nr.	part name	DA [mm]	G [kg/km]	CU	Art.-Nr.	part name	DA [mm]	G [kg/km]	CU
100786	RE-2Y(St)Yv 01X2X0,75 SW IEC 332-3-1	7,9	72	20	100755	RE-2Y(St)Yv 12X2X0,75 SW IEC 332-3-1	17	353	185
100816	RE-2Y(St)Yv 01X2X0,75 BL IEC 332-3-1	7,9	72	20	100822	RE-2Y(St)Yv 12X2X0,75 BL IEC 332-3-1	17,1	353	185
100754	RE-2Y(St)Yv 02X2X0,75 SW IEC 332-3-1	10,6	127	35	100791	RE-2Y(St)Yv 16X2X0,75 SW IEC 332-3-1	19,1	443	245
100817	RE-2Y(St)Yv 02X2X0,75 BL IEC 332-3-1	10,6	127	35	100823	RE-2Y(St)Yv 16X2X0,75 BL IEC 332-3-1	18,9	443	245
100787	RE-2Y(St)Yv 04X2X0,75 SW IEC 332-3-1	11,8	167	65	100792	RE-2Y(St)Yv 20X2X0,75 SW IEC 332-3-1	21,5	523	305
100818	RE-2Y(St)Yv 04X2X0,75 BL IEC 332-3-1	11,8	167	65	100824	RE-2Y(St)Yv 20X2X0,75 BL IEC 332-3-1	21,5	523	305
100788	RE-2Y(St)Yv 06X2X0,75 SW IEC 332-3-1	13,6	215	95	100793	RE-2Y(St)Yv 24X2X0,75 SW IEC 332-3-1	23,2	615	365
100819	RE-2Y(St)Yv 06X2X0,75 BL IEC 332-3-1	13,6	215	95	100825	RE-2Y(St)Yv 24X2X0,75 BL IEC 332-3-1	23,2	615	365
100789	RE-2Y(St)Yv 08X2X0,75 SW IEC 332-3-1	14,6	262	125	100794	RE-2Y(St)Yv 36X2X0,75 SW IEC 332-3-1	28,2	940	532
100820	RE-2Y(St)Yv 08X2X0,75 BL IEC 332-3-1	14,6	262	125	100826	RE-2Y(St)Yv 36X2X0,75 BL IEC 332-3-1	28,2	940	532
100790	RE-2Y(St)Yv 10X2X0,75 SW IEC 332-3-1	16,1	308	155	100795	RE-2Y(St)Yv 48X2X0,75 SW IEC 332-3-1	32,1	1250	708
100821	RE-2Y(St)Yv 10X2X0,75 BL IEC 332-3-1	16,1	308	155	100827	RE-2Y(St)Yv 48X2X0,75 BL IEC 332-3-1	32,1	1250	708

table: technical data RE-2Y(St)Yv 1,3 qmm

Art.-Nr.	part name	DA [mm]	G [kg/km]	CU	Art.-Nr.	part name	DA [mm]	G [kg/km]	CU
100796	RE-2Y(St)Yv 01X2X1,3 SW IEC 332-3-1	9,4	102	31	100787	RE-2Y(St)Yv 04X2X0,75 SW IEC 332-3-1	11,8	167	65
100828	RE-2Y(St)Yv 01X2X1,3 BL IEC 332-3-1	9,4	102	31	100790	RE-2Y(St)Yv 10X2X0,75 SW IEC 332-3-1	16,1	308	155
100703	RE-2Y(St)Yv 02X2X1,3 SW IEC 332-3-1	11,7	161	62	100791	RE-2Y(St)Yv 16X2X0,75 SW IEC 332-3-1	19,1	443	245
100829	RE-2Y(St)Yv 02X2X1,3 BL IEC 332-3-1	11,7	161	62	100792	RE-2Y(St)Yv 20X2X0,75 SW IEC 332-3-1	21,5	523	305
100797	RE-2Y(St)Yv 04X2X1,3 SW IEC 332-3-1	13,5	230	114	100793	RE-2Y(St)Yv 24X2X0,75 SW IEC 332-3-1	23,2	615	365
100830	RE-2Y(St)Yv 04X2X1,3 BL IEC 332-3-1	13,5	230	114	100795	RE-2Y(St)Yv 48X2X0,75 SW IEC 332-3-1	32,1	1250	708
100798	RE-2Y(St)Yv 06X2X1,3 SW IEC 332-3-1	16,1	310	168	100804	RE-2Y(St)Yv 01X2X0,5 BL IEC 332-3-1	8,2	74	15
100831	RE-2Y(St)Yv 06X2X1,3 BL IEC 332-3-1	16,1	310	168	100805	RE-2Y(St)Yv 02X2X0,5 BL IEC 332-3-1	10,2	117	30
100799	RE-2Y(St)Yv 08X2X1,3 SW IEC 332-3-1	17,1	376	218	100806	RE-2Y(St)Yv 04X2X0,5 BL IEC 332-3-1	11,5	138	50
100832	RE-2Y(St)Yv 08X2X1,3 BL IEC 332-3-1	17,1	376	218	100808	RE-2Y(St)Yv 08X2X0,5 BL IEC 332-3-1	13,8	210	90
100800	RE-2Y(St)Yv 12X2X1,3 SW IEC 332-3-1	19,3	515	322	100809	RE-2Y(St)Yv 10X2X0,5 BL IEC 332-3-1	14,9	220	110
100833	RE-2Y(St)Yv 12X2X1,3 BL IEC 332-3-1	19,3	515	322	100811	RE-2Y(St)Yv 16X2X0,5 BL IEC 332-3-1	17,5	348	170
100801	RE-2Y(St)Yv 16X2X1,3 SW IEC 332-3-1	22,1	654	426	100813	RE-2Y(St)Yv 24X2X0,5 BL IEC 332-3-1	20,2	467	250
100834	RE-2Y(St)Yv 16X2X1,3 BL IEC 332-3-1	22,1	654	426	100814	RE-2Y(St)Yv 36X2X0,5 BL IEC 332-3-1	24,1	654	370
100802	RE-2Y(St)Yv 24X2X1,3 SW IEC 332-3-1	26,5	951	684	100815	RE-2Y(St)Yv 48X2X0,5 BL IEC 332-3-1	27,5	851	490
100835	RE-2Y(St)Yv 24X2X1,3 BL IEC 332-3-1	26,5	951	684	100816	RE-2Y(St)Yv 01X2X0,75 BL IEC 332-3-1	7,9	72	20
100778	RE-2Y(St)Yv 02X2X0,5 SW IEC 332-3-1	10,2	117	30	100817	RE-2Y(St)Yv 02X2X0,75 BL IEC 332-3-1	10,6	127	35
100788	RE-2Y(St)Yv 06X2X0,75 SW IEC 332-3-1	13,6	215	95	100818	RE-2Y(St)Yv 04X2X0,75 BL IEC 332-3-1	11,8	167	65
100794	RE-2Y(St)Yv 36X2X0,75 SW IEC 332-3-1	28,2	940	532	100820	RE-2Y(St)Yv 08X2X0,75 BL IEC 332-3-1	14,6	262	125
100727	RE-2Y(St)Yv 04X2X0,5 SW IEC 332-3-1	11	138	50	100821	RE-2Y(St)Yv 10X2X0,75 BL IEC 332-3-1	16,1	308	155
100728	RE-2Y(St)Yv 12X2X0,5 SW IEC 332-3-1	15,7	273	130	100822	RE-2Y(St)Yv 12X2X0,75 BL IEC 332-3-1	17,1	353	185
100729	RE-2Y(St)Yv 24X2X0,5 SW IEC 332-3-1	20,2	467	250	100823	RE-2Y(St)Yv 16X2X0,75 BL IEC 332-3-1	18,9	443	245
100754	RE-2Y(St)Yv 02X2X0,75 SW IEC 332-3-1	10,6	127	35	100824	RE-2Y(St)Yv 20X2X0,75 BL IEC 332-3-1	21,5	523	305
100755	RE-2Y(St)Yv 12X2X0,75 SW IEC 332-3-1	17	353	185	100825	RE-2Y(St)Yv 24X2X0,75 BL IEC 332-3-1	23,2	615	365
100777	RE-2Y(St)Yv 01X2X0,5 SW IEC 332-3-1	8,2	74	15	100827	RE-2Y(St)Yv 48X2X0,75 BL IEC 332-3-1	32,1	1250	708
100779	RE-2Y(St)Yv 06X2X0,5 SW IEC 332-3-1	12,6	190	70	100812	RE-2Y(St)Yv 20X2X0,5 BL IEC 332-3-1	18,8	383	210
100780	RE-2Y(St)Yv 08X2X0,5 SW IEC 332-3-1	13,8	210	90	100782	RE-2Y(St)Yv 16X2X0,5 SW IEC 332-3-1	17,5	348	170
100781	RE-2Y(St)Yv 10X2X0,5 SW IEC 332-3-1	14,9	220	110	100789	RE-2Y(St)Yv 08X2X0,75 SW IEC 332-3-1	14,6	262	125
100783	RE-2Y(St)Yv 20X2X0,5 SW IEC 332-3-1	18,8	383	210	100807	RE-2Y(St)Yv 06X2X0,5 BL IEC 332-3-1	12,6	190	70
100784	RE-2Y(St)Yv 36X2X0,5 SW IEC 332-3-1	24,1	654	370	100810	RE-2Y(St)Yv 12X2X0,5 BL IEC 332-3-1	15,7	273	130
100785	RE-2Y(St)Yv 48X2X0,5 SW IEC 332-3-1	27,5	851	490	100819	RE-2Y(St)Yv 06X2X0,75 BL IEC 332-3-1	13,6	215	95
100786	RE-2Y(St)Yv 01X2X0,75 SW IEC 332-3-1	7,9	72	20	100826	RE-2Y(St)Yv 36X2X0,75 BL IEC 332-3-1	28,2	940	532