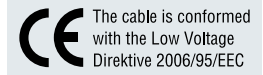


RE-2Y(St)Yö 1 – 24 pairs



Instrumentation cable according to EN 50288-7

- General** Oil resistant collective screened cable for instrumentation, control and communication applications.
- Conductor** Annealed copper solid or stranded
- Insulation** Extruded PE. Nominal wall thickness 0,5 mm. Insulation colors white and black, white colors numbered 1, 2...n- according to number of pairs
- Twisting** Two insulated conductors twisted together
- Stranding** Pairs twisted together. Construction of two pairs is made as a quad or two pairs. Polyester tape applied on the strand. 24 µm Al-polyester tape applied as a screen over the polyester tape. 7x0,30 tinned copper drain wire under the screen.
- Sheath** Extruded oil resistance PVC
 Nominal wall thickness cable Ø ≤24 mm 1,8 mm
 cable Ø >24 mm 2,0 mm
- Physical Properties** Flame retardant IEC 60332-1-2
 Mineral oil resistant VDE 0472 Teil 803, IEC 60811-2-1 Clause 10
 Installation temperature range -5 °C to 50 °C
 Operation temperature range -30 °C to 70 °C
 Min. bending radius 7,5 x cable Ø
 Sunlight resistance UL 1581 section 1200
- Identification** Lot number, cable type, cable size, production month, year, manufacturer's name, meter and CE marking printed on the sheath

Electrical properties

			Unit							
Conductor size	nom.		0,8 mm	1,29 mm	0,5 mm ²	0,75 mm ²	1,0 mm ²	1,3 mm ²	1,5 mm ²	2,5 mm ²
Conductor resistance	max.	ohm/km	36,8	14,2	39,2	24,6	18,1	14,2	12,6	7,3
Insulation resistance	min.	Mohmxkm	5000	5000	5000	5000	5000	5000	5000	5000
Mutual capacitance										
cable of one pair	max.	nF/km	110	110	110	110	110	110	110	110
cable of 2 to 4 pairs	max.	nF/km	90	90	90	90	90	90	90	90
cables above 4 pairs	max.	nF/km	70	70	70	70	70	70	70	70
L/R ratio	max.	µH/ohm	25	40	25	25	25	40	40	80
Test voltage										
Conductor/conductor	min.	VDC 30s	4000	4000	4000	4000	4000	4000	4000	4000
Conductor/screen	min.	VDC 30s	2000	2000	2000	2000	2000	2000	2000	2000
Operating voltage (Ueff)	max.	V 300	300	300	300	300	300	300	300	300

Number of pairs	0,5 mm ²		0,75 mm ²		1,0 mm ²		1,3 mm ²		1,5 mm ²	
	Outer Ø nom. mm	Weight nom. kg/km	Outer Ø nom. mm	Weight nom. kg/km	Outer Ø nom. mm	Weight nom. kg/km	Outer Ø nom. mm	Weight nom. kg/km	Outer Ø nom. mm	Weight nom. kg/km
1	7,3	50	7,8	52	7,7	70	8,2	80	8	95
2	8,8	90	8,4	95	10,6	130	11,2	140	10	145
4	11,4	140	11,5	145	11,8	155	12,6	195		
6	13,2	190	13,5	195	14,5	250	15,5	315		
8	14,0	220	14,3	225	16,9	350	18,2	425		
12	16,2	290	16,5	295	18,9	430	20,3	535		
16	18,0	360	18,5	365	22,2	600	24,5	780		
24	21,3	495	22,3	505						

Technical data of triples, other conductor dimensions and number of pairs will be stated on request.