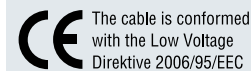


# RE-2Y(St)Yv-fl PiMF 1 – 24 pairs



## Instrumentation cable according to EN 50288-7

<b>General</b>	Individually and collective screened cable for instrumentation, control and communication applications.
<b>Conductor</b>	Annealed stranded copper conductor
<b>Insulation</b>	Extruded PE. Nominal wall thickness 0,4 mm. Insulation colors white and black, white colors numbered 1, 2...n- according to number of pairs.
<b>Twisting</b>	Two insulated conductors white and black stranded together and covered with a polyester tape
<b>Pair shielding</b>	Solid ground conductor $\varnothing$ 0,6 mm, al-polyester tape and a polyester tape applied on the pairs.
<b>Stranding</b>	Pairs twisted together. Polyester tape applied on the strand. 24 $\mu$ m al-polyester tape applied as a screen over the polyester tape. 7x0,30 tinned copper drain wire under the screen.
<b>Sheath</b>	Extruded flame retardant PVC Nominal wall thickness cable $\varnothing$ $\leq$ 24 mm 1,8 mm cable $\varnothing$ $>$ 24 mm 2,0 mm
<b>Physical properties</b>	Flame retardant IEC 60332-1-2, IEC 60332-3-24 Installation temperature -5°C... +50°C Min. bending radius 7,5 x cable $\varnothing$ Sunlight resistance UL 1581 section 1200 Oil resistance ICEA S-82-552/NEMA WC 5
<b>Identification</b>	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.		0,5 mm <sup>2</sup>	0,75 mm <sup>2</sup>	1,3 mm <sup>2</sup>	1,5 mm <sup>2</sup>
Conductor resistance	max.	ohm/km	39,2	24,6	14,2	12,6
Insulation resistance	min.	Mohmxkm	5000	5000	5000	5000
<b>Mutual capacitance (800Hz)</b>						
cable of one pair	max.	nF/km	120	120	120	120
cable of 2 to 4 pairs	max.	nF/km	100	100	100	100
cables above 4 pairs	max.	nF/km	80	80	80	80
L/R ratio	max.	$\mu$ H/ohm	25	25	40	40
<b>Test voltage</b>						
Conductor/conductor	min.	VDC 30s	4000	4000	4000	4000
Conductor/screen	min.	VDC 30s	2000	2000	2000	2000
Operating voltage (Ueff)	max.	V	300	300	300	300

Number of pairs	Outer $\varnothing$	Weight	Outer $\varnothing$	Weight	Outer $\varnothing$	Weight	Outer $\varnothing$	Weight
	nom. mm	nom. kg/km	nom. mm	nom. kg/km	nom. mm	nom. kg/km	nom. mm	nom. kg/km
	0,5 mm <sup>2</sup>		0,75 mm <sup>2</sup>		1,3 mm <sup>2</sup>		1,5 mm <sup>2</sup>	
2	9,3	102,0	10,0	119,3	11,1	150,9	11,5	163,2
4	10,9	149,8	12,5	185,9	14,0	244,3	14,6	269,1
8	13,3	236,8	16,0	306,3	18,2	414,7	19,1	461,4
12	15,4	323,0	18,8	419,9	21,5	578,4	22,5	647,2
16	19,1	423,0	21,1	530,1	24,2	736,9	25,4	827,2
20	18,7	486,7	23,1	638,1	26,6	893,1	27,9	1004,8
24	20,1	555,9	24,9	746,4	28,7	1047,0	30,17	1179,8

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