

RE-2Y(C)Y-fl 2 – 24 pairs



Instrumentation cable according to en 50288-7

General	Collective screened cable for instrumentation, control and communication applications.		
Conductor	Annealed copper solid		
Insulation	Extruded PE. Nominal wall thickness 0,4 mm. Colors white and black with numbers on white cores 1, 2...n- according to number of pairs.		
Twisting	Two insulated conductors twisted together		
Stranding	Pairs twisted together. Polyester tape applied on the strand.		
Wrapping	At least 1 layer of plastic tape		
Screen	Tinned copper wire braid		
Sheath	Extruded flame retardant PVC		
	Nominal wall thickness	cable $\varnothing \leq 16$ mm	1,2 mm
		cable $\varnothing \leq 22$ mm	1,4 mm
		cable $\varnothing > 22$ mm	1,6 mm
	Colour of sheath: black or blue		
Physical properties	Flame retardant	IEC 60332-1-2	
	Installation temperature range	-5 °C to +50 °C	
	During operation	-30 °C to +70 °C	
	Min. bending radius	7,5 x cable \varnothing	
	Sunlight resistance	UL 1581 section 1200	
	Oil resistance	ICEA S-82-552/NEMA WC 55	
Identification	Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath		

Electrical properties

		Unit	
Conductor size \varnothing	nom.		0,8 mm
Conductor resistance	max.	ohm/km	36,8
Insulation resistance	min.	Mohmxkm	5000
Mutual capacitance (800Hz)			
cable of 2 to 4 pairs	nom.	nF/km	80
cables above 4 pairs	nom.	nF/km	60
L/R ratio	max.	μ H/ohm	25
Test voltage			
Conductor/conductor	min.	VDC 30s	4000
Conductor/screen	min.	VDC 30s	2000
Operating voltage (Ueff)	max.	V	300

Number of pairs	Outer \varnothing nom. mm	Weight nom. kg/km
0,8 mm		
2	9,1	114,0
3	9,5	129,0
4	10,1	142,0
6	11,9	189,0
8	12,9	232,0
12	14,9	305,2
16	16,6	374,0
20	18,0	441,0
24	19,4	505,0

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