

TECHNICAL SPECIFICATION LiYY Cable

Italian Conductors, Wires & Cables

CABLE DESCRIPTION

Conductor: Flexible bare copper Cl. 5

Insulation: PVC EN 50363-3 Type TI2

Colour code: black numbered with yellow/green or acc.to DIN 47100

Assembly: conductors twisted

Sheath: PVC EN 50363-4-1 Type TM2 Grey Ral 7001

Marking: EUROCAVI LiYY nxsize CPR EN 50575 Class Cca-s2,d0,a3 ITC002E CE n°week/year "metric numbering"

Temperature range: -5°C up to +70°C

Working voltage: 300/500 V

Test voltage: 1500 V

Standards:

NBN 30-004 F2-IEC 60332-3-24

CPR 305/2011

EN 50575:2014 +A1:2016 Class Cca-s2,d0,a3

DIMENSIONAL CHARACTERISTICS

Number of conductors	Section (mm ²)	Diameter of wires (mm)	Insulation thickness (mm)	∅ conductors (mm)	Outer ∅ (mm)	Cu weight (kg/km)	Approx Cable weight (kg/km)
2	0.50	0.20	0.30	1.50±0.05	4.30±0.30	9.60	36.00
3					4.50±0.30	14.40	42.00
4					4.80±0.30	19.20	55.00
5					5.40±0.30	24.00	65.00
6					5.70±0.30	28.80	77.00
7					6.00±0.30	33.60	89.00
8					6.30±0.30	38.40	103.00
10					7.50±0.30	48.00	112.00
12					7.80±0.30	57.60	128.00
14					8.30±0.30	67.20	150.00

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16					8.80±0.30	76.80	169.00
18					9.50±0.30	86.40	189.00
25					11.20±0.30	120.00	245.00

Number of conductors	Section (mm ²)	Diameter of wires (mm)	Insulation thickness (mm)	∅ conductors (mm)	Outer ∅ (mm)	Cu weight (kg/km)	Approx Cable weight (kg/km)				
2	0.75	0.20	0.35	1.80±0.05	4.80±0.30	14.40	47.00				
3					5.30±0.30	21.60	56.00				
4					5.80±0.30	28.80	69.00				
5					6.50±0.30	36.00	83.00				
6					6.80±0.30	43.20	98.00				
7					6.80±0.30	50.40	104.00				
8					7.40±0.30	57.60	132.00				
10					8.70±0.30	72.00	149.00				
12					8.80±0.30	86.40	172.00				
14					9.50±0.30	100.80	211.00				
16					10.30±0.30	115.20	239.00				
18					10.90±0.30	129.60	268.00				
2					1.00	0.20	0.40	2.05±0.05	5.50±0.30	19.20	55.00
3									5.90±0.30	28.80	67.00
4	6.60±0.30	38.40	83.00								
5	7.40±0.30	48.00	100.00								
6	7.80±0.30	57.60	122.00								
7	7.80±0.30	67.20	130.00								
10	10.00±0.30	96.00	170.00								
12	10.20±0.30	115.20	212.00								
15	11.50±0.30	144.00	250.00								
16	11.80±0.30	153.60	275.00								
18	12.50±0.30	172.80	314.00								
2	1.50	0.26	0.40	2.30±0.05	6.30±0.30	28.80	72.00				
3					6.70±0.30	43.20	88.00				
4					7.30±0.30	57.60	110.00				
5					8.40±0.30	72.00	135.00				
6					9.00±0.30	86.40	163.00				

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7					9.00±0.30	100.80	174.00
8					9.80±0.30	115.20	223.00
10					11.50±0.30	144.00	250.00
12					11.80±0.30	172.80	289.00

Number of conductors	Section (mm ²)	Diameter of wires (mm)	Insulation thickness (mm)	∅ conductors (mm)	Outer ∅ (mm)	Cu weight (kg/km)	Approx Cable weight (kg/km)
2	2.50	0.26	0.55	3.00±0.05	7.60±0.30	48.00	110.00
3					8.30±0.30	72.00	137.00
4					9.10±0.30	96.00	174.00
5					10.20±0.30	120.00	217.00
7					11.20±0.30	168.00	272.00
4	4.00	0.30		3.90±0.05	11.50±0.30	153.60	295.00

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