

TECHNICAL SPECIFICATION LiYCY Cable

CABLE DESCRIPTION

Conductor: Flexible bare copper

Insulation: PVC EN 50363-3 Type TI2

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

Assembly: conductors twisted with polyester tape

Screen: tinned copper braid coverage 70%

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

Marking: EUROCAVI LiYCY n x size CPR 305/2011 Class Cca-s3,d0,a3 ITC005E CE n°wek/year

Temperature range: -5°C up to +70°C

Working voltage: 300/500 V

Test voltage: 1000 V (AC)

Standards:

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

CPR 305/2011 EN 50575:2014 +A1:2016 Class Cca-s3,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	4.70±0.30	21.60	51.00
3					5.00±0.30	27.40	61.00
4					5.60±0.30	33.20	72.00
5					6.20±0.30	40.00	85.00
6					6.50±0.30	46.30	99.00
7					6.60±0.30	51.60	103.00
8					6.90±0.30	57.40	138.00
10					7.90±0.30	70.00	147.00
12					8.20±0.30	80.60	165.00
14					8.70±0.30	91.20	186.00

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16					9.20±0.30	102.30	214.00
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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	5.30±0.30	28.20	60.00				
3					5.60±0.30	36.10	77.00				
4					6.30±0.30	44.80	87.00				
5					7.00±0.30	55.00	106.00				
6					7.30±0.30	62.70	124.00				
7					7.50±0.30	70.40	129.00				
8					8.30±0.30	79.60	172.00				
10					9.20±0.30	97.00	184.00				
12					8.50±0.30	111.90	211.00				
14					10.00±0.30	127.80	239.00				
16					10.60±0.30	144.20	268.00				
18					11.10±0.30	160.60	307.00				
19					11.60±0.30	169.80	325.00				
25					13,30±0.30	210.00	342.00				
2	1.00	0.20	0.40	2.05±0.05	5.90±0.30	34.20	79.00				
3					6.60±0.30	44.80	88.00				
4					7.10±0.30	55.90	106.00				
5					8.00±0.30	69.00	124.00				
6					8.40±0.30	79.60	147.00				
7					8.40±0.30	90.20	155.00				
8					9.00±0.30	100.80	196.00				
10					10.30±0.30	123.50	221.00				
12					11.00±0.30	143.20	250.00				
14					11.60±0.30	163.40	284.00				
17					12.50±0.30	196.20	340.00				
19					13.30±0.30	217.40	380.00				
2					1.50	0.25	0.40	2.30±0.05	6.80±0.30	47.80	91.00
3									7.00±0.30	63.20	112.00
4	7.70±0.30	80.60	141.00								
5	8.70±0.30	97.00	161.00								
6	9.30±0.30	113.40	194.00								
7	9.30±0.30	128.80	206.00								
8	10.20±0.30	144.20	266.00								

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10					11.70±0.30	178.00	297.00
12					12.00±0.30	207.80	355.00

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	8.80±0.30	71.00	128.00
3					9.30±0.30	97.00	157.00
4					9.70±0.30	123.00	201.00

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TECHNICAL DEPT.	Petretti Enrico