

TECHNICAL SPECIFICATION LiHH Cable



Italian Conductors, Wires & Cables

CABLE DESCRIPTION

Conductor: Flexible bare copper acc. to VDE 0295 – IEC 60228 cl. 5

Insulation: Thermoplastic halogen-free, fire-retardant sheathing LS0H compound Type M1

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

Assembly: conductors twisted

Sheath: Thermoplastic halogen-free, fire-retardant sheathing LS0H compound Green Ral 6011 Type M1

Marking: EUROCAVI LiHH nxsize CPR EN 50575 Class Cca-s1a,d1,a1 ITC014E CE n.week/year “metric numbering”

Temperature range: -5°C up to +70°C

Working voltage: 300/500 V

Test voltage: 1500 V (AC)

Standards:

CPR 305/2011 EN 50575:2014 +A1:2016 Class Cca-s1a,d1,a1

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	0.35	1.60±0.05	5.10±0.30	9.60	36.00
3					5.10±0.30	14.40	42.00
4					5.30±0.30	19.20	55.00
5					5.90±0.30	24.00	65.00
6					6.20±0.30	28.80	77.00
7					6.20±0.30	33.60	80.00
8					6.70±0.30	38.40	103.00
10					7.90±0.30	48.00	112.00
12					8.00±0.30	57.60	128.00
14					8.50±0.30	67.20	150.00
16					9.00±0.30	76.80	169.00
18					9.80±0.30	86.40	189.00
25					11.60±0.30	120.00	245.00

TECHNICAL SPECIFICATION LiHH Cable

Italian Conductors, Wires & Cables

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	0.40	1.90±0.05	5.40±0.30	14.40	47.00				
3					5.70±0.30	21.60	56.00				
4					6.20±0.30	28.80	69.00				
5					7.00±0.30	36.00	83.00				
6					7.30±0.30	43.20	98.00				
7					7.30±0.30	50.40	104.00				
8					8.00±0.30	57.60	132.00				
10					9.20±0.30	72.00	149.00				
12					9.40±0.30	86.40	172.00				
14					10.00±0.30	100.80	211.00				
16					10.80±0.30	115.20	239.00				
18					12.30±0.30	129.60	268.00				
2					1.00	0.20	0.40	2.10±0.05	5.80±0.30	19.20	55.00
3									6.10±0.30	28.80	67.00
4	6.60±0.30	38.40	83.00								
5	7.50±0.30	48.00	100.00								
6	7.90±0.30	57.60	122.00								
7	8.10±0.30	67.20	130.00								
12	10.20±0.30	115.20	212.00								
16	11.60±0.30	153.60	275.00								
18	12.20±0.30	172.80	314.00								
2	1.50	0.26	0.60	2.70±0.05					7.00±0.30	28.80	72.00
3					7.40±0.30	43.20	88.00				
4					8.00±0.30	57.60	110.00				
5					9.30±0.30	72.00	135.00				
6					10.00±0.30	86.40	163.00				
7					10.20±0.30	100.80	174.00				
8					10.80±0.30	115.20	223.00				
9					11.40±0.30	129.60	238.00				
10					12.80±0.30	144.00	250.00				
12					13.00±0.30	172.80	289.00				

TECHNICAL SPECIFICATION LiHH Cable



Italian Conductors, Wires & Cables

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	0.60	3.20±0.05	8.40±0.30	48.00	110.00
3					8.80±0.30	72.00	137.00
4					9.70±0.30	96.00	174.00
5					11.00±0.30	120.00	217.00

DATE OF ISSUE	REV06 06/12/2019
TECHNICAL DEPT.	Napoli Giuseppe