



PRIVO DI ALOGENI  
HALOGEN FREE

## IMPIEGO APPROPRIATO / APPROPRIATE USE

Cavo adatto all'impiego in ambienti con alta concentrazione di persone e beni di valore che devono essere protetti in caso di incendio. Per impiego in edifici pubblici, sistemi di trasporto e in impianti industriali. Utilizzato per l'elaborazione dati, misurazione e nell'ingegneria di regolazione, sistemi di sicurezza e cavi per elettronica. Guaina esterna ed isolamento interno privi di alogeni.

Cable suitable for high people density environments, and where valuable goods have to be protected from fire risk. To be used in public buildings, transport systems and industrial plants. Suitable for data management, measuring and engineer, security systems and electronics. Outer sheath and insulation are halogen free.

	CARATTERISTICHE/ CHARACTERISTICS	DESCRIZIONE/ DESCRIPTION	NORME/ REFERENCE
	Tipo di cavo Type of cable	LIHH	
	Tensione nominale Nominal Voltage	0,14 mm <sup>2</sup> : 350V ; ≥ 0,25 mm <sup>2</sup> : 500V (non per applicazioni di potenza - not for power applications)	
1	Conduttore Core	Fili sottili di rame nudo Thin raw copper wires	EN 60228
2	Isolamento Insulation	Isolante privo di alogeni Halogen free insulation	EN 50363
3	Guaina Sheath	Guaina priva di alogeni, grigio RAL 7001 o RAL 7032 Halogen free sheath, grey colour RAL 7001 or RAL 7032	EN 50363
	Campo di temperatura Temperature range	Posa fissa: da -30°C a +80°C, posa mobile: da -5°C a +70°C Fixed laying: from -30°C to +80°C, mobile laying: from -5°C to +70°C	
	Temperatura massima di corto circuito Maximum short circuit temperature	150°C	
	Tensione di prova Testing voltage	Conduttore/conduttore: 1500 V AC Conductor/conductor: 1500 V AC	
	Raggio minimo di curvatura Minimum banding radius	Posa fissa: 4 x diametro esterno - Posa mobile: 10 x diametro esterno Fixed laying: 4 x external diameter - Mobile laying: 10 x external diameter	
	Capacità mutua nominale a 800 Hz Nominal mutual capacitance at 800 Hz	80 nF/km	
	Induttanza nominale Nominal inductance	0,65 mH/km	
	Imballo Package	Matasse mt.100 in termoretraibile - Bobine 100 m thermo-shrinking material coils - Drums	

## NORME RIF. GENERALI / GENERAL REFERENCE

DIN VDE 0812, EN 50575:2014 + EN 50575/A1:2016

## IDENTIFICAZIONE CONDUTTORI / CORE IDENTIFICATION

Colorate (DIN 47100)  
Coloured cores (DIN 47100)

CROSS-SECTION 0.14 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 0.14	3.2	13.2	2.7
3 x 0.14	3.4	16	4.05
4 x 0.14	3.6	18.9	5.4
5 x 0.14	3.9	22.2	6.72
7 x 0.14	4.2	28.4	9.45
8 x 0.14	4.9	35.2	10.2
10 x 0.14	5.2	41.2	13.5
12 x 0.14	5.6	48.4	16.2
14 x 0.14	5.8	52.9	18.9
16 x 0.14	6.1	59.1	21.6
20 x 0.14	7	70.8	27
25 x 0.14	7.8	87.2	33.6

CROSS-SECTION 0.25 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 0.25	3.8	18	4.8
3 x 0.25	4	22	7.2
4 x 0.25	4.3	26.2	9.6
5 x 0.25	4.7	31	12
6 x 0.25	5.1	39	14.4
7 x 0.25	5.1	42	16.8
8 x 0.25	6.2	49.2	19.2
10 x 0.25	6.8	58	24
12 x 0.25	7	67	28.8
14 x 0.25	7.3	75.3	33.6
16 x 0.25	7.7	84.3	38.4
18 x 0.25	8.1	93	43.2
20 x 0.25	8.6	102	48
25 x 0.25	9.6	134	60

CROSS-SECTION 0.34 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 0.34	4.2	25	6.6
3 x 0.34	4.4	31	9.9
4 x 0.34	4.8	43.2	13.1
5 x 0.34	5.5	53.8	16.5
6 x 0.34	5.9	55	19.6
7 x 0.34	5.9	62	22.8
8 x 0.34	7.1	73.1	26.1
10 x 0.34	7.6	82	32.6
12 x 0.34	7.8	102	39.1
14 x 0.34	8.2	109	45.7
16 x 0.34	8.7	127	52
20 x 0.34	9.6	159.3	65.2
21 x 0.34	10.4	167	68.6
25 x 0.34	11.2	190	81.6

CROSS-SECTION 0.50 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 0.50	4.7	30	9.6
3 x 0.50	5	39	14.4
4 x 0.50	5.6	49	19.2
5 x 0.50	6.1	65	24
7 x 0.50	6.9	82	33.6
8 x 0.50	8	90	38.4
10 x 0.50	8.6	117	48
12 x 0.50	8.9	133	58
16 x 0.50	10.2	170	77
20 x 0.50	11.4	214	96
25 x 0.50	12.7	265	120

MULTISTANDARD CABLES

CONTROL CABLES

DATA CABLES

ENERGY CABLES

SPECIAL CABLES

SHIELDED CABLES

ARMOURED CABLES

UTILITIES

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CABLES

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UTILITIES

## CROSS-SECTION 0.75 smm

Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 0.75	5.1	48	14.4
3 x 0.75	5.6	57	21.6
4 x 0.75	6.1	69	28.8
5 x 0.75	6.9	78	36
7 x 0.75	7.5	112	50
8 x 0.75	8.7	126	58
10 x 0.75	9.4	149	72
12 x 0.75	10.1	176	86
16 x 0.75	11.2	218	115
20 x 0.75	12.4	274	144
25 x 0.75	14	320	180

## CROSS-SECTION 1 smm

Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 1	5.6	55	19.2
3 x 1	5.9	70	29
4 x 1	6.4	79	38.4
5 x 1	7.3	98	48

## CROSS-SECTION 1.5 smm

Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 1.50	6.2	74	29
3 x 1.50	6.8	89	43
4 x 1.50	7.4	105	58