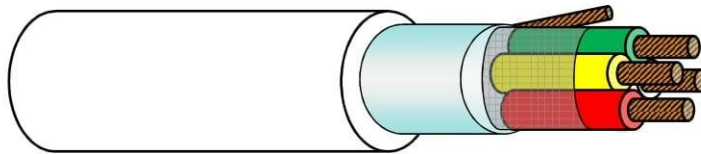


Cables for security systems, Al/Pet tape screen, halogen free.

Comari Alarmkabel afgeschermd



CPR Compliant
B2ca - s1,d0,a1

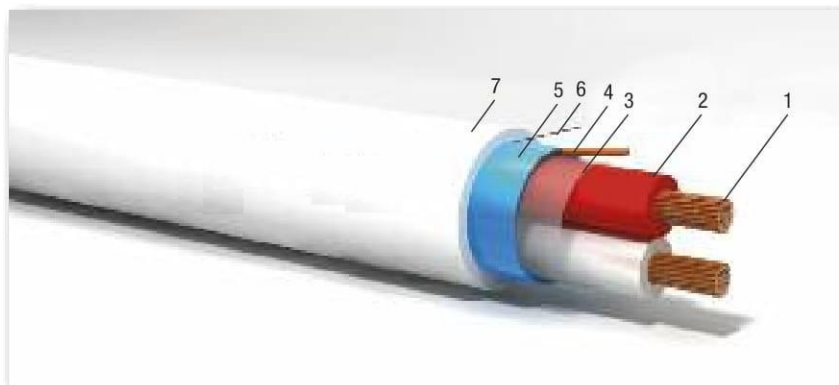
Caratteristiche	Descrizione	Norme
Conductors : Insulation : Cores colour : Assembling : Drain wire : Screen : Sheath : Sheath colour : Halogen free : Testing voltage : Max working temperature : Short circuit temperature : Min. installation temperature : Bending radius :	annealed red copper cl.5 LSZH compound white- red- yellow- green- grey- orange-light blue- brown- purple- black (black and red for power supply) Pet tape annealed red copper 7x0,20 Al/Pet tape LSZH white RAL 9010 (< 0,5 mg/g - 0,5%) 2000 V 70 °C 160 °C 0 °C Ø x 8	CEI EN 60228 CEI EN 50363 CEI EN 50267-2-1/2 - IEC 60754-1/2
APPLICATION :	Supply of communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.	
INSTALLATION:	For fixed indoor installation in dry or temporarily wet environments and temporarily outdoor. They can be installed in cable trays, pipes, conduits, and similar systems. They can be laid together with power cables with marking both 450/750V, and 0.6 / 1 kV, used for systems with a nominal voltage to ground (Uo) up to 400 V. Not for direct burial.	

Type (N° cores x sect.)				Medium Outer Ø	Medium Weight	Product code
N° x mm						
4X0,22				5,30	21	B9903105012B00058
6x0,22				5,60	27	B9903105012B00053
8x0,22				5,95	32	B9903105012B00032
12x0,22				6,60	39	B9903105012B00063
2x0,50+2x0,22				6,00	29	
2x0,50+4x0,22				6,20	35	B9903105012B00045
2x0,50+6x0,22				6,50	37	B9903105012B00046
2x0,50+8x0,22				6,70	46	B9903105012B00064
2x0,50+10x0,22				7,20	52	
2x0,75+2x0,22				6,40	35	
2x0,75+4x0,22				6,60	41	B9903105012B00062
2x0,75+6x0,22				6,80	46	B9903105012B00061
2x0,75+8x0,22				7,00	51	
2x0,75+10x0,22				7,20	61	B9903105012B00065

Code	Printing
B9903105012B00058	Comari Alarmkabel 4x0,22 MBZH LI-H(st)H B2ca-s1,d0,a1 CE B170987001401 Year/Lot 00000m
B9903105012B00053	Comari Alarmkabel 6x0,22 MBZH LI-H(st)H B2ca-s1,d0,a1 CE B170987001401 Year/Lot 00000m
B9903105012B00032	Comari Alarmkabel 8x0,22 MBZH LI-H(st)H B2ca-s1,d0,a1 CE B170987001401 Year/Lot 00000m
B9903105012B00063	Comari Alarmkabel 12x0,22 MBZH LI-H(st)H B2ca-s1,d0,a1 CE B170987001401 Year/Lot 00000m
B9903105012B00045	Comari Alarmkabel 2x0,5+4x0,22 MBZH LI-H(st)H B2ca-s1,d0,a1 CE B170987001401 Year/Lot 00000m
B9903105012B00046	Comari Alarmkabel 2x0,5+6x0,22 MBZH LI-H(st)H B2ca-s1,d0,a1 CE B170987001401 Year/Lot 00000m
B9903105012B00064	Comari Alarmkabel 2x0,5+8x0,22 MBZH LI-H(st)H B2ca-s1,d0,a1 CE B170987001401 Year/Lot 00000m
B9903105012B00060	Comari Alarmkabel 2x0,75+4x0,22 MBZH LI-H(st)H B2ca-s1,d0,a1 CE B170987001401 Year/Lot 00000m
B9903105012B00061	Comari Alarmkabel 2x0,75+6x0,22 MBZH LI-H(st)H B2ca-s1,d0,a1 CE B170987001401 Year/Lot 00000m
B9903105012B00065	Comari Alarmkabel 2x0,75+10x0,22 MBZH LI-H(st)H B2ca-s1,d0,a1 CE B170987001401 Year/Lot 00000m

Office	Date	Signature	Rev.	Date	Signature
Edit by :	06/06/2017		1	09/02/2018	
Checked by:	06/06/2017				

Cables for security systems, Al/Pet tape screen, fire retardant and low halogens emission.



1. Conductor
2. Insulation
3. Assembling
4. Drain wire
5. Stripping wire
6. Screen
7. Sheath

CPR
EU 305/2011

Cca-s3,d0,a3

APPLICATION: Used in electronic control equipment and for detection of signals from intrusion detection systems. In environments that do not face with high risk of fire as buildings intended for civil use, with a fire height less than 24 m, waiting room, bar, restaurant, medical studio. **(Low risk - bunch laying).**

INSTALLATION: For fixed indoor installations in dry or wet environments and temporarily outdoor. They can be installed on platforms, pipes, conduits and similar systems. They can be laid together with power cables with marking both 450/750V and 0.6 / 1 kV used for systems with a nominal voltage to ground (U₀) up to 400V.

FEATURES	DESCRIPTION	STANDARD
Conductors:	annealed red copper	CEI EN 60228 (Tab. 9)
Insulation:	PVC, quality R2	CEI EN 50363
Cores colour:	alarm colours (Tab 1) - Red-Black (power supply)	
Assembling:	Pet tape	
Drain wire:	annealed red copper	
Screen:	Al/Pet tape	
Stripping wire:	Pet	
Sheath:	PVC, quality TM2	CEI EN 50363
Sheath colour:	white RAL 9010	
Low halogens emission:	(< 22 %)	CEI EN 50267-2-1 - IEC 60754-1
DC resistance:		CEI EN 60228 (Tabella 9)
Testing voltage:	2000 V	
Max working temperature:	70 °C	
Short-circuit temperature:	160 °C	
Min. installation temperature:	0 °C	
Bending radius:	Ø x 8	

REGULATION (UE) 305/2011

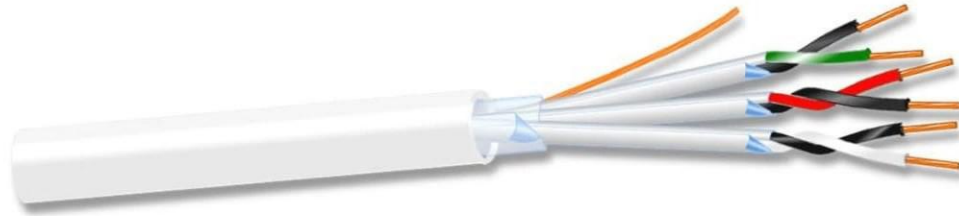
System AVCP:	1+	EN 50575:2014 + A1:2016
Classification:	Cca-s3,d0,a3	UNI EN 13501-6
Cca:	Heat release and flame spread(FS ≤ 2m)	EN 50399
s3:	Smoke production (not s1 or s2)	EN 50399
d0:	No flaming droplets	EN 50399
a3:	Gas acidity (not a1 or a2)	EN 50267-2-3
	Flame propagation (H ≤ 425 mm)	EN 60332-1-2
Printing:	ALARM CEI UNEL 36762 C-4 (U ₀ =400 V) Cca-s3,d0,a3 Type, SCREENED CE Year/lot	

TYPE N° x mm ²	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
4x0,22	3,7	20	B30C04022
6x0,22	4,3	26,3	B30C06022
8x0,22	5,1	31,9	B30C08022

DATASHEET

Description

Li-XH(St)H SIGNAL C-4 (BC) 3x2x0.35 LSZH WHITE B2CA s1d1a1



Marking

Comari Signaalkabel 3x2x0.35 B2ca-s1d1a1 CE Dop Nr. ZB1391ZH 2017 (*) (Metering) mt

Marking Colour: Blue

(*) Lot of Production

Construction

Cable Structure	Cores x Section	3 x 2 x 0.35 mmq
Inner Conductor	Material	Bare Copper
	Type	Multiwire
	Conductor wires construction	n x mm 11 x 0.193
Insulation	Material	Thermoplastic LSZH compound TI6
	Color	1) Red-Black 2) Green-Black 3) White-Black
Shield	Diameter	mm 1,20 ± 0,05
	Material	Aluminium / PET foil (wrapped around every single pair)
Drain Wire	Coverage	% 100
	Material	Bare Copper
Jacket	Type	Stranded
	Cores x Section	n x mm 18 x 0.100
	Material	Thermoplastic LSZH compound HM5
	Color	White RAL 9010
Jacket	Diameter	mm 6,80 ± 0,30
	Thickness	mm 0,80
Weight	kg / km	55,0

Technical Data

Inner Conductor Resistance	Ohm / km	57,00
Peak Operating Voltage (Not for purposes of Power)	Volt	250
Operating Voltage U ₀	Volt	500
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Minimum Bending Radius	Fixed Installation	10 x Diameter

Standards

Insulation	EN 50363-7
Jacket	EN 50363-8
Low smoke emission	EN 61034.2
Corrosive gases and halogen	IEC 60754-2; EN 50267-2-1
Fire behaviour (according to EN 50575)	Euroclass B2ca-s1d1a1

Issue Date	16/04/2013
Version	27/04/2018
Print Date	27/04/2018