

Cable Multiconducteurs ATISTI

RAILWAY SIGNALLING CABLES, MULTICORE, PE SHEATH FOR EXTERNAL INSTALLATIONS WATERBLOCKING AND RODENT RESISTANT



Description and application

Cables from 4 to 61 conductors of 1.4 mm nominal diameter, with solid polyethylene insulation. The conductors are stranded in layers to form the core which is then protected by a double LSZH sheath. Appropriate for external installation and in tunnels where fire resistant characteristics and protection against rodents are required.

They are used as signalling cables in railways infrastructures. For installation in ducts or directly buried.

Construction

- Conductors: Annealed copper. Nominal diameter 1.4 mm.
- Insulation: Solid polyethylene.
- Cabling elements: Insulated conductors.
- Lay-up: Stranded in layers
- Core wrapping: Dielectric tape longitudinally applied with overlap.
- Cable screen: Aluminium copolymer tape longitudinally applied with overlap and bonded to the inner sheath.
- Inner sheath: Violet LSZH material, RAL 4008.
- Armour: Corrugated steel copolymer tape, longitudinally applied with overlap.
- Outer sheath: UV resistant LSZH material coloured violet RAL 4008.
- Sheath markings: The outer sheath shall be marked at regular intervals, with the following information:
 - Name of manufacturer/ Year/ Length marks
 - Other type of marks according to the costumer



Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza - Spain +34 976 729 900 |

+34 976 729 974

 $www.cablescom.com \mid comercial@cablescom.com$

Certified Company ISO 9001 - ISO 14001

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and

TITLE EDITION APPROVED BY DATE

Cable Multiconducteurs ATISTI 2 O.salomon 2019-03-06



ELECTRICAL	CHARACTERISTICS	(20°C)
------------	------------------------	--------

4	49	4	4	4	1.4
Ž.	<i>3</i>		<u>J</u>	<u> </u>	3
Maximum resista	ance (Ω/km)	Q ^X	O _X	- Q ^x	-O ^{1.9}
Minimum insulat	ion resistance (MΩx	km, 20°C, 500V)			35000
Mutual capacity	(nF/km, 800 Hz)	.5	5	5	5
Dielectric streng	th (Vdc, 2min) Conc	luctor - Conductor		<u>g</u>	3000
Dielectric streng	th (Vdc, 2min) Cond	luctor - Screen	Ø.	Ø.	5000
AS/DC operating	voltage (V)	T	S	T	T

MECHANICAL AND THERMAL PROPERTIES

Maximum allowable radius	4	4	15 x Ø cable	G.
Operating temperature range	Ĭ	ğ	-25 °C / +75 °C	ğ
Installation temperature range	O'	O,	Q,	O,



Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza - Spain +34 976 729 900 |

www.cablescom.com | comercial@cablescom.com

Certified Company ISO 9001 - ISO 14001

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

TITLE EDITION APPROVED BY DATE

Cable Multiconducteurs ATISTI 2 O.salomon 2019-03-06



DIMENSIONS AND WEIGHTS

4	4	Cable Multicond	ucteurs ATISTI x 1.4	4	9	¥
Numbe	r of conductors	Nomina	al Weight (kg/km)	Ì	Nominal OD (mm)
4x1	8	285	8	J 14	1.4	
7x1	6	365		15	5.7	0-
9x1	,5	450	,Ģ	18	3.4	,Ģ [*]
12x1	47	500	9	18	3.4	9
19x1	<u>J</u>	665	Ď	20	0.5	7
27x1	Q _X	865	O _X	<i>O</i> ^X ≥3	3.4	
37x1	2	1075	2	25	5.5	2
48x1	.8	1320	.5	28	3.4	.8
61x1	.47	1620	4	3	1.7	E)
ACM	ADV	101	ADV	ACM	A	W .



Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza - Spain +34 976 729 900 |

Certified Company ISO 9001 - ISO 14001

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

TITLE	EDITION	APPROVED BY	DATE
Cable Multiconducteurs ATISTI	2	O.salomon	2019-03-06