

Cable Multiconductor FC-TI-2S-TI Rk0,3

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



Description and application

Cables from 4 to 48 conductors. Copper conductor of 1,4mm section insulated with polyethylene. Conductors are stranded in layers to form the core, core that is protected with a double LSZH sheath, core that is protected with a non-inductive reduction factor 0.3 sheath.

They are used as signaling railway applications where protection against inductions is required. Recommended for installation in ducts or tunnels where its behaviour against fire and rodent must be controlled.

Construction

- Conductors: Annealed copper. Section: 1,4mm.
- Insulating: Solid polyethylene.
- Cabling element: Conductors.
- Core Construction: Conductors are stranded in layers. See coloured code table.
- Core wrapping: Dielectric tape longitudinally applied with overlap.
- Screen: Corrugated copper tape longitudinally applied with overlap.
- Inner sheath: Violet LSZH material.
- Armour: Two steel tapes helically applied.
- Outer sheath: UV resistant violet LSZH material.
- Marking: CABLESCOM / Year / Lenght (Other type of marking available under request



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

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ELECTRICAL	CHARACTERISTICS	(20°C)
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4	4	4	4	4	1.4
-Y					3
Maximum resista	ance (Ω/km)		\sqrt{\sq}\}}}\sqrt{\sq}}}}}}\sqrt{\sq}}}}}}}}}}}}\signt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	- S	11.9
Minimum insulat	ion resistance (M Ω)	km, 20°C, 500V)			15000
Mutual capacity	(nF/km, 800 Hz)	Š	Š	Š	Š
Dielectric streng	th (Vdc, 2min) Cond	luctor - Conductor	49	g	3000
Dielectric streng	th (Vdc, 2min) Cond	luctor - Screen	P.	#	3500
AS/DC operating	voltage (V)	8	S	8	S

MECHANICAL AND THERMAL PROPERTIES

Maximum allowable radius	G.	19	15 x Ø cable	49
Operating temperature range	ğ	Ĭ	-25 °C / +75 °C	ğ
Installation temperature range	Q.	0,	C)	O'



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DIMENSIONS AND WEIGHTS

Cable Multiconductor	FC-TI-2 S -TI Rk0,3 x 1.4	
5-1	3/	

Number of conductors		Nominal Weight (kg/km)		à	Nominal OD (mm)
4x1	8	830	S	21,2	· 8
7x1		850		21,2	2
9x1		850		21,5	ā ā
12x1	9	900	Ŋ	22	y g
19×1	Ĭ	1100	À	23,9	
27x1	O.	1350	Q.	26,6	5 Q
37x1	2	1600	2	28,3	2 2
48×1	.8	2000	.8	31,	9 9
(7)	775	675	(/)	- 0	5 (75



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