

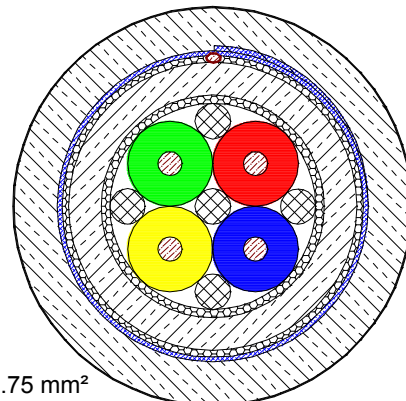


SIGDRAK[®]-PZB-Control Cable A-2YTF2Y(L)2Y 1 x 4 x 0.75 mm²

PZB-control cable with bunched conductor (DB-material number 722 528)

Specification Dlk 1.013.204y, 1st edition 11/2002
(replaces Dlk 1.013.202y, 5th edition 01/2000)

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Changes reserved according
to technical progress



Principle drawing
A-2YTF2Y(L)2Y 1x4x0.75 mm²

Application

For control of track and switching magnets of railway influence selectively at certain points, for flexible laying on track for line speeds up to 160 km/h, in ground or in ducts.

Colour Coding, Marking

According to specification

Construction

A-2YTF2Y(L)2Y	
Conductor	copper, bunched (stranded), 0.75 mm ² , soft annealed
Insulation	solid PE (2Y)
Twisting	star quad stranding
Filling	longitudinally watertight by a filling of water swellable material
Cable core wrapping	of water swellable material
Inner sheath	PE (2Y), black
Drain wire	copper, bunched (stranded), 0.2 mm ² , soft annealed
Moisture barrier sheath	laminated sheath formed by an aluminium tape (0.15 mm thick) coated on both sides with copolymer and bonded to outer sheath PE (2Y), black



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Mechanical and Thermal Properties

Admissible bending radius		≥ 10 x outer cable diameter
Temperature range	during operation	- 30°C to + 80°C
	during installation	- 5°C to + 25°C

Electrical Properties

at 20°C ± 5°C

Conductor cross section area	mm ²	0.75
Core-/quad diameter	mm	4.0 / 9.5
Conductor loop resistance	Ω/km	≤ 51.4
Insulation resistance	GΩxkm	≥ 5
Mutual capacitance at 800 Hz	nF/km	≤ 38
Capacitance unbalance k ₁ at 800 Hz	pF/300 m	200
Test voltage at 50 Hz – 1 min		
	core/core	V _{eff}
core/screen	V _{eff}	≥ 2500

Additional Properties

Dimension	Outer diameter	Cable weight net	Standard supply length	Drum size flange-Ø	Transport weight gross	Copper content	Tensile strength max.	Fire load
	mm	kg/km	m	mm	kg/Spule	kg/km	N	MJ/m
A-2YTF2Y(L)2Y 1 x 4 x 0.75 mm²								
1x4x	≤ 18.5	280	2000	161	840	33	150	10