

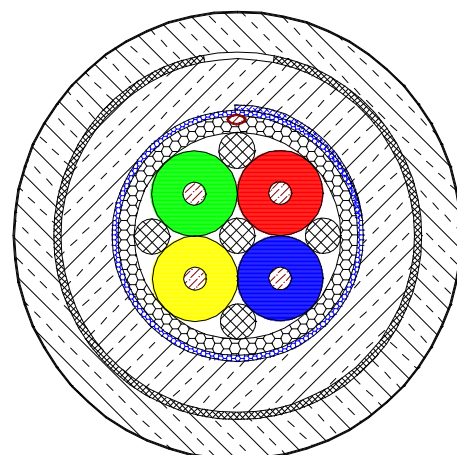


PZB-Control Cable A-02YSTF(L)2YB2Y 1 x 4 x 0.8 mm A-02YSTF(L)2Y(SR)2Y 1 x 4 x 0.8 mm

**SIGDRAK[®] PZB-control cable for fixed installation
(DB-material number 722 531 or 731 162)**

Specification Dlk 1.013.200 y, 3rd edition dated February 2000

© 2005
Changes reserved according
to technical progress



Principle drawing
A-02YSTF(L)2YB2Y 1x4x0.8

Application

For control of track and switching magnets of railway influence selectively at certain points; for laying at rail foot, in ground, tank-type and pipe channels.

Colour Coding, Marking

Quad: pair 1 (a-core/b-core) : yellow/red,
pair 2 (a-core/b-core) : green/blue

Construction

A-02YSTF(L)2YB2Y	
Conductor	copper, solid, 0.8 mm, soft annealed
Insulation	Foam-skin-PE (2Y)
Twisting	star quad stranding
Filling	longitudinally watertight through water swellable material
Cable core wrapping	one or more layers of swellable material
Contact conductor	copper, solid, tinned, 0.6 mm, soft annealed
Moisture barrier	laminated sheath formed by an aluminium tape (0.15 mm thick) coated on at least one side with copolymer, and bonded with
Inner sheath	PE (2Y), black
Armouring	by steel tape 1B0.2 or 2B0.1
Outer sheath	PE (2Y), black
A-02YSTF(L)2Y(SR)2Y	construction as before, but deviating :
Armouring	corrugated steel tape (SR) (coated, corrugated, longitudinally applied, overlapping steel tape)



PZB-Control Cable A-02YSTF(L)2YB2Y 1 x 4 x 0.8 mm A-02YSTF(L)2Y(SR)2Y 1 x 4 x 0.8 mm

Mechanical and Thermal Properties

Admissible bending radius		≥ 10 x outer cable diameter
Temperature range	during operation	- 30°C to + 70°C
	during installation	- 5°C to + 50°C

Electrical Properties

at 20°C ± 5°C

Conductor diameter	mm	0,8	
Core-/Quad diameter	mm	3.0 / 7.3	
Conductor loop resistance	Ω/km	≤ 73.2	
Insulation resistance	GΩxkm	≥ 5	
Mutual capacitance at 800 Hz	nF/km	≤ 30	
Test voltage – 50 Hz – 1 min			
	core/core	V	≥ 2500
	core/screen	V	≥ 2500

Additional Properties

Dimension	Outer diameter	Cable weight net	Standard supply length	Drum size	Transport weight gross	Copper content	Tensile strength max.	Fireload
	mm	kg/km	m	KTG	kg/reel	kg/km	N	MJ/m
A-02YSTF(L)2YB2Y 1 x 4 x 0.8 mm								
1 x 4 x 0.8	16.6	230	2000	161	740	23	110	6
A-02YSTF(L)2Y(SR)2Y 1 x 4 x 0.8 mm								
1 x 4 x 0.8	17.4	260	2000	161	800	23	110	7