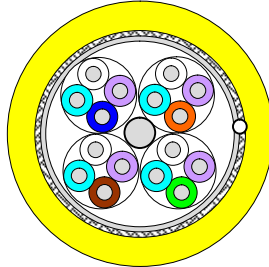


S-09YS(St)CH n x 2 x 0.5/1.05 StVIII Bd

Symmetrical switching cable



Application

Inhouse cabling of symmetrical interfaces at transmission equipment, connection of Central Office subscriber lines, high speed data transmission in ADSL, SDSL, UMTS

Standards

acc. to TS0031/96 part 3

Construction

Conductor		Bare copper wire, 0.5 mm			
Insulation		Foam-Skin-PP, 1.05 mm			
Conductor coding	Order in bundle	colour			
		a	b	c	d
	1	white	Blue	turquoise	violett
	2		Orange		
	3		Green		
4	Brown				
Stranding		4 conductors to quad			
Overall stranding		Quads to bundle, bundle to core			
Wrapping		PET foil			
Overall shielding		Al-PET-Folie + drain wire, tinned + copper braid, tinned			
sheath		LSZH			
	Colour	yellow			
	marking	DRAKA Comteq – S-09YS(St)CH nx2x0.5 St VIII Bd			

Electrical properties

at 20°C

Conductor resistance	Ω/km	180 ± 12
Nom. Capacitance	nF/km	$\square 42$
Capacitance coupling at 800 Hz		
K_1	pF/km	0 ± 125

S-09YS(St)CH n x 2 x 0.5/1.05 StVIII Bd

K ₉₋₁₂	pF/km	0 ± 125
E ₁₂	pF/km	0 ± 750

S-09YS(St)CH n x 2 x 0.5/1.05 StVIII Bd

Impedance			
1MHz	Ω	135 ± 20	
Attenuation			
		2 ... 8x2x0.5	16 ... 32x2x0.5
At 1 MHz dB/km		□ 19	□ 19
Screening efficiency			
30-900 MHz	dB/km	□ 75	□ 80
NEXT			
		2 ... 8x2x0.5	16 ... 32x2x0.5
at 1MHz	dB/100m	□ 60	□ 54
at 4 MHz	dB/100m	□ 51	□ 45
at 20 MHz	dB/100m	□ 41	□ 35
at 32 MHz	dB/100m	□ 38	□ 32
FEXT			
at 1MHz	dB/100m	□ 60	
Test voltage			
Conductor / conductor	V_{eff}	□ 800	
Conductor / screen	V_{eff}	□ 800	
Insulation resistance	$G\Omega \cdot km$	□ 15	

Technical data

Part no.	Description	Type	Outer diameter mm	Weight kg/km	Standard length m	Drum size	Copper content	Tensile force N
CS76....	S-09YS(St)CH	2x2x0.5/1.05 St VIII Bd	6.5	55	1000	500/120	29	100
CS7605102	S-09YS(St)CH	4x2x0.5/1.05 St VIII Bd	7.1	80	1000	800/160	44	100
1008060	S-09YS(St)CH	8x2x0.5/1.05 St VIII Bd	8.5	105	1000	800/160	72	150
1008061	S-09YS(St)CH	16x2x0.5/1.05 St VIII Bd	11.1	160	500	800/240	108	200
CS7612401	S-09YS(St)CH	24x2x0.5/1.05 St VIII Bd	12.7	210	500	650/260	151	300
1008062	S-09YS(St)CH	32x2x0.5/1.05 St VIII Bd	13.9	255	500	650/260	191	300

S-09YS(St)CH n x 2 x 0.5/1.05 StVIII Bd

[PRODUCT CODE TABLE]

© PRYSMIAN GROUP 2008, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.