

S-2YCC2Y 0.31/1.95Dz

Coaxial SDH-Switch Board Cables acc. to Finnish specification



Application

Standards

acc. to Finnish specification

Flame resistance

Construction

Inner conductor	copper wire, bare, diameter 0.315 mm \pm 0.005 mm
Insulation	PE 1.95 mm \pm 0.10 mm
1 st outer conductor	copper braid, tinned
2 nd outer conductor	copper braid, tinned
Sheath	PVC 3.55 mm \pm 0.10 mm black

S-2YCC2Y 0.31/1.95Dz

Electrical properties

at 20°C

DC resistance	Inner conductor	$\leq 230 \Omega/\text{km}$
	Outer conductor	$\leq 15.5 \Omega/\text{km}$
Mutual capacitance		67 nF/km
Characteristic impedance		$75 \Omega \pm 3.0 \Omega$
Velocity ratio		66 %
Transfer impedance	1 MHz – 30 MHz	$\leq 10 \text{ m}\Omega/\text{m}$
Max. operating voltage		0.750 kV
Test voltage	Inner/Outer conductor	3.0 kV _{DC} 1 min
Insulation resistance		$\geq 10 \text{ G}\Omega \cdot \text{km}$

Electrical data

at 20°C

Attenuation (dB/100m)		Crosstalk (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)		Frequency (MHz)	
1	≤ 2.3	0.3 – 1	≥ 70	1-100	≥ 20
2	≤ 3.2	1.0 – 30	≥ 80		
4	≤ 4.5				
10	≤ 7.1				
17	≤ 9.2				
50	≤ 15.8				
70	≤ 18.7				
100	≤ 22.3				
140	≤ 26.4				
200	≤ 32.0				

Technical data

Product code	Designation	Type	Outer diameter mm	Weight kg/km	Standard delivery length m	Drum size KTG/ring	Gross weight kg	Copper content	Tensile force N
CS	S-2YCC2Y	0.3/1.95DZ	3.6	24	1000 \pm 20	051	28	14.6	65

[PRODUCT CODE TABLE]

S-2YCC2Y 0.31/1.95Dz

© 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.