

## S-02YCCY 0.51/2.3Dz – 75 Ω PVC

Coaxial SDH-Switch Board Cables acc. to Belgacom TR-SP. 127



### Application

### Standards

acc. to Belgacom specification TR-SP. 127

### Flame resistance

### Construction

Inner conductor	copper wire, bare, diameter 0.51 mm ± 0.02
Insulation	Foam-PE 2.3 mm ± 0.05
1 <sup>st</sup> outer conductor	copper braid, tinned
2 <sup>nd</sup> outer conductor	copper braid, tinned
Sheath	PVC 3.7 mm ± 0.10 mm grey, RAL 7001

## S-02YCCY 0.51/2.3Dz – 75 Ω PVC

### Electrical properties

at 20°C

DC resistance	Inner conductor	≤ 95 Ω/km
Mutual capacitance		60 nF/km
Characteristic impedance	at 1 MHz	75 Ω ± 3.0 Ω
Velocity ratio		78 %
Transfer impedance	0.1 MHz	≤ 15.0 mΩ/m
	1 MHz	≤ 3.5 mΩ/m
	10 MHz	≤ 7.0 mΩ/m
Max. operating voltage		0.750 kV
Test voltage	Inner/Outer conductor	1.5 kV <sub>rms</sub> 1 min
Insulation resistance		≥ 10 GΩ*km

### Electrical data

at 20°C

Attenuation (dB/100m)		Crosstalk (dB/500m or 250m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)		Frequency (MHz)	
1	≤ 1.5	0.3 – 2.3	≥ 75	0.3 – 1	≥ 23
2	≤ 2.3	2.3 – 20	≥ 100	1 – 20	≥ 30
4	≤ 3.2				
10	≤ 4.7				
17	≤ 6.0				
20	≤ 6.5				
70	≤ 12				
100	≤ 14.4				
140	≤ 17.3				
200	≤ 20.6				

### Technical data

Product code	Designation	Type	Outer diameter mm	Weight kg/km	Standard delivery length m	Drum size SPH/ring	Gross weight kg	Copper content	Tensile force N
1003336	S-02YCCY	0.51/2.3Dz	3.7	22	500 ± 20	370/180/200	13	16	120
CS2703301	S-02YCCY	0.51/2.3Dz	3.7	22	500 ± 20	370/180/200	13	16	120

[PRODUCT CODE TABLE]

**S-02YCCY 0.51/2.3Dz – 75 Ω PVC**

---

© 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.