

## S-2YC(mS)CY 0.47/2.8 – 75 Ω PVC

Coaxial SDH-Switch Board Cables acc. to Belgacom TR-SP. 119



### Application

### Standards

acc. to Belgacom specification TR-SP. 119

### Flame resistance

### Construction

Inner conductor	copper wire, tinned, diameter 0.47 mm ± 0.03
Insulation	PE 2.8 mm ± 0.10 mm
1 <sup>st</sup> outer conductor	copper braid, tinned
Wrapping	plastic foil
Magn. screen	Mu-metal tape, highly permeable
Wrapping	plastic foil
2 <sup>nd</sup> outer conductor	copper braid, bare
Sheath	PVC 6.0 mm ± 0.20 mm grey RAL 7001

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### Electrical properties

at 20°C

DC resistance	Inner conductor	≤ 110 Ω/km
Mutual capacitance		67 nF/km
Characteristic impedance	at 1 MHz	75 Ω ± 1.5 Ω
Velocity ratio		66 %
Transfer impedance	0.1 MHz	≤ 8 mΩ/m
	1 MHz	≤ 25 mΩ/m
	10 MHz	≤ 12 mΩ/m
Max. operating voltage		2 kV
Test voltage	Inner/Outer conductor	2.5 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	≤ 1.8	0.06 – 1	≥ 100	1 – 13	≥ 40
2	≤ 22.5	1 – 13	≥ 120		
4	≤ 3.5				
10	≤ 5.2				
17	≤ 6.5				
50	≤ 11.1				
70	≤ 13.1				
100	≤ 15.7				
140	≤ 18.6				
200	≤ 22.2				

### Technical data

Product code	Designation	Type	Outer diameter mm	Weight kg/km	Standard delivery length m	Drum size ring	Gross weight kg	Copper content	Tensile force N
1003337	S-2YC(mS)CY	0.47/2.8	6.0	60	250 ± 10	Ring	15	25	245

### Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
S-2YC(MS)CY 1X0.47/2.8 TR-SP.119		60013870	<b>60013870</b>

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