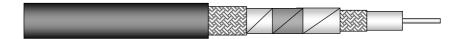




# S-2YC(mS)CY $0.47/2.8 - 75 \Omega$ PVC

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	$75 \Omega \pm 1.5 \Omega$
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	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	Туре	Outer diamete r 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	60013870





# S-2YC(mS)CY 0.47/2.8 – 75 $\Omega$ PVC

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