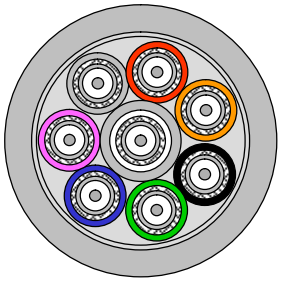
S-02Y(St)CYY 8 x 0.41/1.9AF – 75 Ω PVC

Coaxial SDH-Switch Board Cables acc. to Belgacom TR-SP. 131



Application

Standards

acc. to Belgacom specification TR-SP. 131

Flame resistance

Construction

Inner conductor	copper wire, tinned, diameter 0.41 mm ± 0.02 mm
Insulation	Foam-PE 1.9 mm ± 0.05
1st outer conductor	Al-PET-Al-foil
2nd outer conductor	copper braid, tinned
Sheath	PVC 3.1 mm ± 0.10 mm 8 different colours
Cable lay up	8 coaxials to the bundle
Wrapping	PET-foil
Sheath	PVC 12.0 mm ± 0.5 mm grey, RAL 7001

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Electrical properties

at 20°C

DC resistance	Inner conductor	≤ 145 Ω/km
Mutual capacitance		60 nF/km
Characteristic impedance	at 1 MHz	75 Ω ± 3.0 Ω
Velocity ratio		78 %
Transfer impedance	30 MHz	≤ 10 mΩ/m
Max. operating voltage		0.750 kV
Test voltage	Inner/Outer conductor	1.5 kV_{rms} 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	0.3 – 1	≥ 60	0.3 – 1	≥ 22
2	≤ 2.7	1 – 34	≥ 80	1 – 34	≥ 27
4	≤ 3.8				
10	≤ 5.9				
17	≤ 7.6				
20	≤ 8.3				
70	≤ 15.3				
100	≤ 18.5				
140	≤ 21.9				
200	≤ 26.2				

Technical data

Product code	Designation	Type	Outer diameter mm	Weight kg/km	Standard delivery length m	Drum size EW/ring	Gross weight kg	Copper content	Tensile force N
1003341	S-02Y(St)CYY	8 x 0.41/1.9 AF	12.0	160	500 ± 20	710/300 /448	105	69	410
CS2704601	S-02Y(St)CYY	8 x 0.41/1.9 AF	12.0	160	500 ± 20	710/300 /448	105	69	410

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
S-02Y(ST)CYY 8X0.41/1.9		60013875	**60013875**

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