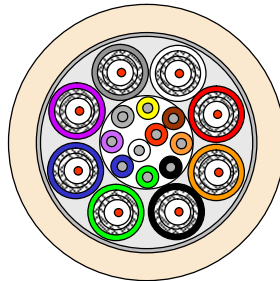


S-02YCCYY 8 x 0.51/2.3Dz – 75 Ω + 10 x 0.6/1.4 PVC

Coaxial SDH-Switch Board Cables acc. to Belgacom TR-SP. 128



Application

Standards

acc. to Belgacom specification TR-SP. 128

Flame resistance

Construction

Coaxial	
Inner conductor	copper wire, bare, diameter 0.51 mm ± 0.02
Insulation	Foam-PE 2.3 mm ± 0.05
1 st outer conductor	copper braid, tinned
2 nd outer conductor	copper braid, tinned
Sheath	PVC 3.7 mm ± 0.10 mm 8 different colours
Pilot core	
Conductor	copper wire, tinned, 0.60 mm ± 0.04 mm
Insulation	PE 1.4 mm ± 0.1 mm
Cable lay up	8 coaxials + 10 pilot cores twisted to the bundle
Wrapping	PET-foil
Sheath	PVC 15.8 mm ± 0.5 mm ivory RAL 1001

S-02YCCYY 8 x 0.51/2.3Dz – 75 Ω + 10 x 0.6/1.4 PVC

Electrical properties

at 20°C

DC resistance	Inner conductor Coaxial	≤ 95 Ω/km
	Inner conductor Pilot core	≤ 63.2 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	Coaxial: inside- /Outer conductor	1.5 kV _{rms} 1 min
	Pilot core: core/core	2 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	≤ 1.5	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 EW/ring	Gross weight kg	Copper content	Tensile force N
1003342	S-02YCCY	8 x 0.51/2.3Dz + 10 x 0.6/1.4	15.8	336	500 ± 20	900/450 /560	210	175	1200
CS270480 1	S-02YCCY	8 x 0.51/2.3Dz + 10 x 0.6/1.4	15.8	336	500 ± 20	900/450 /560	210	175	1200
CS270480 2	S-02YCCY	8 x 0.51/2.3Dz + 10 x 0.6/1.4	15.8	336	500 ± 20	900/450 /560	210	175	1200

**S-02YCCYY 8 x 0.51/2.3Dz – 75 Ω + 10 x
0.6/1.4 PVC**

[PRODUCT CODE TABLE]

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