

S-2YCCY 0.31/1.95Dz PVC

Coaxial SDH-Switch Board Cables acc. to Finnish specification



Application

Standards

acc. to Finnish specification

Flame resistance

Construction

Inner conductor	copper wire, bare, diameter 0.315 mm \pm 0.005 mm
Insulation	PE 1.95 mm \pm 0.10 mm
1 st outer conductor	copper braid, tinned
2 nd outer conductor	copper braid, tinned
Sheath	PVC 3.55 mm \pm 0.10 mm white or black

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Electrical properties

at 20°C

DC resistance	Inner conductor	$\leq 230 \Omega/\text{km}$
	Outer conductor	$\leq 15.5 \Omega/\text{km}$
Mutual capacitance		67 nF/km
Characteristic impedance		$75 \Omega \pm 3.0 \Omega$
Velocity ratio		66 %
Transfer impedance	1 MHz – 30 MHz	$\leq 10 \text{ m}\Omega/\text{m}$
Max. operating voltage		0.750 kV
Test voltage	Inner/Outer conductor	1.0 kV _{DC} 1 min
Insulation resistance		$\geq 10 \text{ G}\Omega \cdot \text{km}$

Electrical data

at 20°C

Attenuation (dB/100m)		Crosstalk (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)		Frequency (MHz)	
1	≤ 2.3	0.3 – 1	≥ 70	1-100	≥ 20
2	≤ 3.2	1.0 – 30	≥ 80		
4	≤ 4.5				
10	≤ 7.1				
17	≤ 9.2				
50	≤ 15.8				
70	≤ 18.7				
100	≤ 22.3				
140	≤ 26.4				
200	≤ 32.0				

Technical data

Product code	Designation	Type	Outer diameter r mm	Weight kg/km	Standard delivery length m	Drum size KTG/ring	Gross weight kg	Copper content	Tensile force N
1003325	S-2YCCY	0.3/1.95DZ wt	3.6	24	1000 \pm 20	051	28	14.6	65
1003324	S-2YCCY	0.3/1.95DZ bk	3.6	24	1000 \pm 20	051	28	14.6	65

[PRODUCT CODE TABLE]

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