

S-2YCCY 0.23/1.50D

Coaxial SDH-Switch Board Cables acc. to Finnish specification



Application

Standards

acc. to Finnish specification

Flame resistance

Construction

Inner conductor	copperclad steel wire, bare, diameter 0.23 mm \pm 0.005 mm
Insulation	PE 1.50 mm \pm 0.05 mm
1. Outer conductor	copper braid, bare
2. Outer conductor	copper braid, bare
Sheath	PVC 3.2 mm \pm 0.10 mm grey

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Electrical properties

at 20°C

DC resistance	Inner conductor	≤ 1000 Ω/km
Mutual capacitance		67 nF/km
Characteristic impedance		75 Ω ± 3.0 Ω
Velocity ratio		66 %
Transfer impedance	1 MHz – 30 MHz	≤ 60.0 mΩ/m
Max. operating voltage		0.750 kV
Test voltage	Inner/Outer conductor	1.5 kV _{DC} 1 min
Insulation resistance		≥ 10 GΩ*km

Electrical data

at 20°C

Attenuation (dB/100m)		Crosstalk (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)		Frequency (MHz)	
1	≤ 2.9	0.3 – 1	≥ 60	1-100	≥ 20
2	≤ 4.1	1.0 – 30	≥ 60		
4	≤ 5.8				
10	≤ 9.0				
17	≤ 11.6				
50	≤ 17.5				
70	≤ 20.4				
100	≤ 24.5				
140	≤ 29.0				
200	≤ 35.0				
1000	≤ 76.0				

Technical data

Product code	Designation	Type	Outer diameter mm	Weight kg/km	Standard delivery length m	Drum size KTG/ring	Gross weight kg	Copper content	Tensile force N
CS ...	S-2YCCY	0.23/1.50D	3.2	19	1000 ± 20	051	23	12.2	65

[PRODUCT CODE TABLE]

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