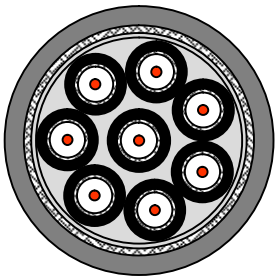
S-2YCCY(St)CY 8 x 0.31/1.95Dz

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 ± 0.005 mm
Insulation	PE 1.95 mm ± 0.10 mm
1st outer conductor	copper braid, tinned
2nd outer conductor	copper braid, tinned
Sheath	PVC 3.55 mm ± 0.10 mm black
Cable lay up	8 coaxials twisted to the bundle with number printing 1-8
Overall screen	PETP-AL-foil + copper braid, tinned
Sheath	PVC 15.3 mm ± 0.5 mm grey

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Electrical properties

at 20°C

DC resistance	Inner conductor	≤ 230 Ω/km
	Outer conductor	≤ 15.5 Ω/km
Mutual capacitance		67 nF/km
Characteristic impedance		75 Ω ± 3.0 Ω
Velocity ratio		66 %
Transfer impedance	1 MHz – 30 MHz	≤ 10 mΩ/m
Max. operating voltage		0.750 kV
Test voltage	Inner/Outer conductor	3.0 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	≤ 2.3	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 mm	Weight kg/km	Standard delivery length m	Drum size KTG/ring	Gross weight kg	Copper content	Tensile force N
CS	S-2YCCY(St)CY	8 x 0.3/1.95DZ	15.3	310	500 ± 20	091	202	143	800

[PRODUCT CODE TABLE]

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