

S-2YC(mS)CY 0.4/2.5

Coaxial SDH-Switch Board Cables acc. to TS 0031/96 part 4



Application

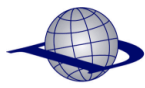
Standards

acc. to TS 0031/96 part 4

Flame resistance

Construction

Inner conductor	copperclad steel wire, bare, diameter 0.4 mm
Insulation	PE 2.45 mm
Outer conductor	copper braid, tinned
Wrapping	PET-foil
Magn. Screen	iron tape, highly permeable
Wrapping	PET-foil
Static screen	copper braid, tinned
Sheath	PVC 4.8 mm white



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Electrical properties

at 20°C

DC resistance	Inner conductor	$\leq 360 \Omega/\text{km}$
Mutual capacitance		68 nF/km
Characteristic impedance		$75 \Omega \pm 2\%$
Transfer impedance	0.1 MHz	$\leq 0.8 \text{ m}\Omega/\text{m}$
	1 MHz	$\leq 0.25 \text{ m}\Omega/\text{m}$
	10 MHz	$\leq 0.12 \text{ m}\Omega/\text{m}$
	100 MHz	$\leq 1.2 \text{ m}\Omega/\text{m}$
Test voltage	Inner/Outer conductor	2 kV _{rms}
Insulation resistance		$\geq 10 \text{ G}\Omega \cdot \text{km}$

Electrical data

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
1	≤ 2.0	40-300	≥ 23
10	≤ 5.5		
30	≤ 9.5		
100	≤ 18.0		
300	≤ 32.0		
600	≤ 47.0		

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
CS2703400	S-2YC(mS)CY	1 x 0.4/2.5 Staku	4.8	41	1000	071	67	22.0	135
					250	ring	10.5		
CS2703402	S-2YC(mS)CY	1 x 0.4/2.5 Staku	4.8	41	250	ring	10.5	22.0	135