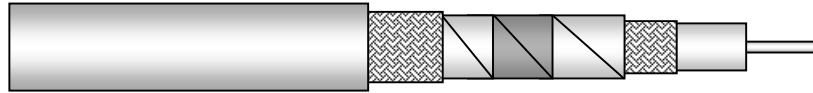




S-2YC(mS)CY 1.0/6.5

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



Application

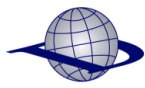
Standards

acc. to TS 0031/96 part 4

Flame resistance

Construction

Inner conductor	copper wire, silvered, diameter 1.01 mm
Insulation	PE 6.4 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 9.5 mm white



S-2YC(mS)CY 1.0/6.5

Electrical properties

at 20°C

DC resistance	Inner conductor	$\leq 24 \Omega/\text{km}$
Mutual capacitance		68 nF/km
Characteristic impedance		$75 \Omega \pm 2\%$
Transfer impedance	0.1 MHz	$\leq 0.15 \text{ m}\Omega/\text{m}$
	1 MHz	$\leq 0.05 \text{ m}\Omega/\text{m}$
	10 MHz	$\leq 0.5 \text{ m}\Omega/\text{m}$
	100 MHz	$\leq 5.0 \text{ m}\Omega/\text{m}$
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)	
0.1	≤ 0.3	40-300	≥ 23
10	≤ 2.2		
30	≤ 4.0		
100	≤ 7.5		
300	≤ 14.0		
600	≤ 20.0		

Technical data

Product code	Designation	Type	Outer diameter	Weight	Standard delivery length	Drum size	Gross weight	Copper content	Tensile force
			mm	kg/km	m	KTG/ring	kg		N
CS2706700	S-2YC(mS)CY	1 x 1.0/6.5	9.5	140	1000	091	186	80.0	495
					250	ring	35.4		