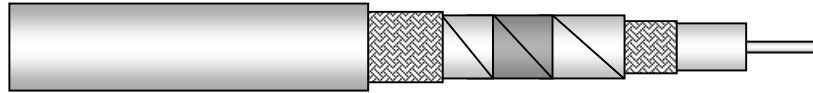


S-2YC(mS)CY 0.5/3.0

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



Application

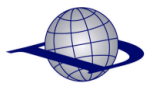
Standards

acc. to TS 0031/96 part 4

Flame resistance

Construction

Inner conductor	copper wire, tinned, diameter 0.48 mm
Insulation	PE, 2.9 mm
Outer conductor	copper braid, tinned
Wrapping	PETP-foil
Magn. Screen	iron tape, highly permeable
Wrapping	PETP-foil
Static screen	copper braid, tinned
Sheath	PVC 6.0 mm white



S-2YC(mS)CY 0.5/3.0

Electrical properties

at 20°C

DC resistance	Inner conductor	$\leq 106 \Omega/\text{km}$
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	≤ 0.7	40-300	≥ 23
10	≤ 5.0		
30	≤ 9.0		
100	≤ 17.0		
300	≤ 31.0		
600	≤ 44.0		

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
CS2703700	S-2YC(mS)CY	1 x 0.5/3.0	6.0	60	1000	071	83	40.0	245
					250	ring	14.4		