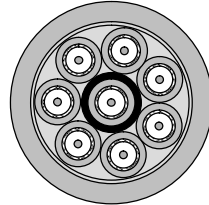


S-2YCCYY 8 x 0.4/2.5

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 / copper wire, tinned, diameter 0.4 mm
Insulation	PE 2.45 mm
Outer conductor	copper braid, tinned
Wrapping	PET-foil
Screen	copper braid, tinned
Sheath	PVC 4.5 mm grey, RAL 7032
Cable lay up	8 coaxials to the bundle
Wrapping	PET-foil
Sheath	PVC 18.3 mm grey



S-2YCCYY 8 x 0.4/2.5

Electrical properties

at 20°C

DC resistance	Inner conductor	for copperclad steel wire $\leq 360 \Omega/\text{km}$ for copper wire $\leq 155 \Omega/\text{km}$
Mutual capacitance		68 nF/km
Characteristic impedance		$75 \Omega \pm 2\%$
Transfer impedance	0.1 MHz	$\leq 15.0 \text{ m}\Omega/\text{m}$
	1 MHz	$\leq 3.5 \text{ m}\Omega/\text{m}$
	10 MHz	$\leq 3.1 \text{ m}\Omega/\text{m}$
	100 MHz	$\leq 30.0 \text{ m}\Omega/\text{m}$
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)	
1	≤ 2.0	40-300	≥ 26
10	≤ 5.5		
30	≤ 9.5		
100	≤ 18.0		
400	≤ 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
1003338	S-2YCCYY	8 x 0.4/2.5 copperclad steel wire bare	18,3	420	1000	121	560	176	1080
CS2704201	S-2YCCYY	8 x 0.4/2.5 copperclad steel wire bare	18,3	420	1000	121	560	176	1080
					200	SPH 760	90		