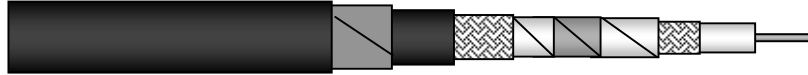


S-2YC(mS)CYBY 1.6/10.0

Coaxial SDH- Switch Board Cables acc. to German PTT-Spezifikation



Application

Standards

acc. to FTZ TL 6145-3300

Flame resistance

Construction

Inner conductor	copper wire, silvered, diameter 1.6 mm
Insulation	PE, diameter 10.2 mm
Outer conductor	copper braid, tinned, diameter 11.0 mm
Wrapping	2x PETP-foil, diameter 11.2 mm
Magn. Screen	iron tape, highly permeable, diameter 11.4 mm
Wrapping	2 x PETP-foil, diameter 11.6 mm
Static screen	copper braid, tinned, diameter 12.4 mm
Sheath	PVC, wall thickness 1.0 mm, diameter 14.4 mm black
Armouring	2 layers of iron tape, diameter 14.8 mm
Sheath	PVC 19.0 mm, wall thickness 2.0 mm black

S-2YC(mS)CYBY 1.6/10.0

Electrical properties

at 20°C

DC resistance	Inner conductor	≤ 9.5 Ω/km
Mutual capacitance		68 nF/m
Characteristic impedance	at 200 MHz	75 Ω ± 2%
Test voltage	Inner/Outer conductor	3 kV _{rms}
Insulation resistance		□ 10 GΩ*km
Transfer impedance	0.1 MHz	≤ 0.05 mΩ/m
	1 MHz	≤ 0.04 mΩ/m
	10 MHz	≤ 0.4 mΩ/m
	100 MHz	≤ 4.0 mΩ/m

Electrical data

at 20°C

Frequency (MHZ)	Attenuation (dB/100m)	Return loss (dB)	
		Frequency (MHZ)	
0.15	≤ 0.16	40-300	≥ 23
10	≤ 1.5		
30	≤ 2.7		
100	≤ 5.0		
300	≤ 8.7		
600	≤ 12.3		

Technical data

Product code	Designation	Type	Outer diameter mm	Weight kg/km	Standard delivery length m	Drum size KTG	Gross weight kg	Copper content	Tensile force N
1009002	S-2YC(mS)CYBY	1x1.6/10.0	19.0	490	1000	121	632	130.7	1075

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
S-2YC(mS)CYBY 1.6/10.0		60013964	60013964
S-2YC(mS)CYBY 1.6/10.0 1000DO	1009002-01000DO	60013964	60024720

S-2YC(mS)CYBY 1.6/10.0

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