

Cables

LCD 111	100 m	21510011
	250 m	21510013
	500 m	21510012

LCD 99	100 m	271658
	500 m	271660

LCM 14	100 m	271576
	500 m	271665

LCM 17	100 m	21510008
	500 m	21510009



Features

- Impedance: 75 Ω
- Insulation of special PE compound, gas-injection foamed
- Metre marking
- Free of lead and silicone
- Conform to: EN 50117

LCD 111:

- For indoor installation
- Inner foil bonded



LCD 99:

- Bonded foil

LCD 99/LCM 14:

- Non-halogen, flame-resistant, UV-resistant; suitable for outdoor use (no laying in the ground)

LCM 17:

- Suitable for being laid in the ground ²⁾

Technical data

Type		LCD 111	LCD 99	LCM 14	LCM 17	
Order no. 100 m		21510011	271658	271576	21510008	
Order no. 250 m		21510013	-	-	-	
Order no. 500 m		21510012	271660	271665	21510009	
Centre conductor	mm	1.13 Cu	1.13 Cu	1.63 Cu	1.63 Cu	
Isolation	mm	4.8 PEE/PH	4.8 PEE/PH	7.2 PEE/PH	7.2 PEE/PH	
Outer conductor		2 x Al/pet/Al foil 1 x CuSn meshwork	1 x Al/pet/Al foil 1 x CuSn meshwork	1 x Al/pet/Al foil 1 x CuSn meshwork	1 x Al/pet/Al foil 1 x CuSn meshwork	
External coating	mm	6.9 PVC white	6.8 black ¹⁾	10.4 black ¹⁾	10.4 PE black	
Bending radius	mm	> 40	> 35	> 50	> 50	
Shortening factor		0.84	0.85	0.83	0.83	
Attenuation	dB/100 m	at 5 MHz	1.0	1.3	0.9	0.9
		at 50 MHz	4.1	4.3	2.8	2.8
		at 100 MHz	5.7	5.8	3.9	3.9
		at 450 MHz	12.0	12.5	8.6	8.6
		at 860 MHz	17,1	17.4	12.6	12.6
		at 1,000 MHz	18,5	18.8	13.6	13.6
		at 2,150 MHz at 2,400 MHz	28,4 29,9	28.7 30.5	22.7 24.0	22.7 24.0
Return loss 5-470 MHz	dB	> 26	> 26	> 26	> 26	
Return loss 470-862 MHz		> 25	> 25	> 23	> 23	
Return loss 862-1,000 MHz		> 23	> 23	> 20	> 20	
Return loss 1,000-2,150 MHz		> 20	> 20	> 20	> 20	
DC resistance	Ω/km	< 29	< 30	< 20	< 20	
Screening loss 30-1000 MHz	dB	> 120	> 100	> 100	> 100	
Screening loss 1000-2400 MHz		> 105	> 100	> 90	> 90	
Coupling resistance 5-30 MHz	mΩ/m	< 0,9 ³⁾	< 5	< 5	< 5	
Combustibility	MJ/m	0.68	0.67	1.7	1.7	
Perm. ambient temperature	°C	-25 to +70	-25 to +70	-25 to +70	-25 to +70	
Packing	100 m	One-way coil	One-way coil	Collar	Collar	
	5 x 100 m	Cardboard box	Cardboard box	-	-	
	250 m	One-way coil	-	-	-	
	500 m	One-way drum	One-way drum	One-way drum	One-way drum	
Weight	kg/100 m	6,1	5,4	9,5	9,5	

¹⁾ Halogen-free (to VDE 0472, sections 813 and 815), flame-resistant (to VDE 0472, part 804, test method B)

²⁾ Precondition: No mechanical damage to the external coating

³⁾ 5-7 MHz < 1.5 mΩ/m