



LanMarin® Fire Cat 7

Flexible S/FTP
Fire resistant
SHF1

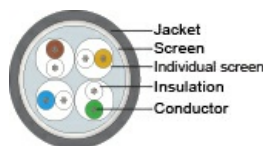
Application

LAN-cable for use in areas where the requirement for cables operating during fire is needed.



Construction

Conductor	Stranded Bare Cu AWG 23/7
Insulation	Fire resistant material + Mica tape
No. of pairs	4
Colour code	IEC 60189-2
Individual Screen pairs	Al-/polyester tape
Overall Screen	Tinned Cu-braid Diam. of strands: ≥0,10mm
Outer Jacket	Grey LSZH UV-resistant SHF1
O.D.	10,5 [mm]
Weight	130 [kg/km]



Specifications

Test Voltage	1 [kV-DC] or 1 [kV-AC] for 1 minute
Conductor resistance	≤ 69,5 [Ω/km]
Insulation resistance	≥ 5000 [MΩ x km]
Capacitance	55 [pF/m] at 800 - 1000 Hz
Impedance	100 ± 5 [Ω] at 100MHz

Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1, 2
Material properties, insulation and sheath	3582
Flame retardant	IEC 60332-1
Toxic gases max.	EN 50305 9.2
Fire retardant	IEC 60332-3-22
Fire resistant	IEC 60331-23 EN 50200-PH15
UV-resistant	ASTM D 2565 92A



Part No.	2030000
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Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)	Return Loss (dB/100m)	NEXT (dB/100m)	PS-NEXT (dB/100m)
1	3,02	-	78	75
4	5,61	23,0	78	75
10	8,78	25	78	75
16	11,12	25	78	75
20	12,44	25	78	75
31,25	15,62	23,33	78	75
62,5	22,32	20,74	75,46	72,46
100	28,53	18,99	72,40	69,40
155	35,96	17,35	69,55	66,55
200	41,20	16,40	67,88	64,88
300	51,28	15,60	65,24	62,24
600	75,15	15,60	60,73	57,73