

HPL 50-1-5/8RM – Fire resistant LSOH Jacket

M5585Z

Description

Inner Conductor:	Helically corrugated copper tube	17.3 mm
Insulation:	Physically foamed PE	43.5 mm
Outer Conductor:	Overlapping copper foil with slots	
Jacket:	Low smoke zero halogen compound	48.0 mm
Ink Marking:	ACOME HYPERCELL COAX LSOH HPL 50-1-5/8RM M5585 LOT X lot N° (+ Metric length)	



Electrical Characteristics

Impedance:		50 ± 2Ω
VSWR:	800~960MHz	≤ 1.3
	1700~1880MHz	≤ 1.3
	1880~2025MHz	≤ 1.38
	2110~2200MHz	≤ 1.38
	2300~2500MHz	≤ 1.38
Capacitance:		76 PF/m
	Velocity:	Typical
DC Breakdown Voltage:		15 kV
Insulation Resistance:		≥5000 MΩ.km

Frequency (MHz)	Attenuation (dB/100m) @ 20 °C Typical	Coupling Loss (50% 95%) @ 20 °C dB
800	2.1	70/73
900	2.3	65/68
1800	3.5	62/65
1900	3.6	62/66
2100	4.1	60/64
2200	4.2	61/65
2600	5.2	57/60
2700	5.5	56/61

Mechanical Characteristics

Bending Radius:	700 mm
Tensile force:	1700N
Weight:	874kg

Environmental Characteristics

Temperature Range:	Operating	-30 °C / +80 °C
	Installation	-20 °C / +60 °C
	Storage	-30 °C / +80 °C
pH:	IEC 60754-2	≥4.3
Conductivity:	IEC 60754-2	≤10 μs/mm
Acid gas emission test:	IEC 60754-1	≤5.0 mg/g
Smoking density test (Min. photic rate)	IEC 61034-2	≥60%
Flame retardant	IEC 60332-1, IEC 60332-3-24	