M5361Z

HPL 50-1/4XF - Fire resistant LSOH Jacket

GENERAL CHARACTERISTICS

Inner Conductor:	Copper - clad Aluminium Diameter:	1.75 mm
Dielectric:	Foam Polyethylene Diameter:	4.8 mm
Outer Conductor:	Alu / polyester / Alu tape Tinned copper braid Diameter:	5.6 mm
Jacket:	Low smoke Zero Halogen Compound Diameter:	6.85 mm

Ink marking: ACOME HYPERCELL COAX LSOH HPL 50-1/4XF EXTRA FLEXIBLE M5361 LOT X lot N° (+ Metric length)

MECHANICAL

Bending radius:

- Operating : 45 mm – Min
- Installation : 20 mm – Min

Inst. / Op. Tensile Strength: 600 / 400 N – Max

Weight: 57 kg/km

Packaging: 500 m

ENVIRONMENTAL

Temperature range:	Operating	-40°C / +85°C
	Installation	-20°C / +60°C
	Storage	-70°C / +85°C
Fire resistance:	IEC 60332-1	
Smoke toxicity:	IEC 60754-2 / NFC20-454	
Smoke density:	IEC 61034	
Test methods:	IEC 60096-0-1, 61196-1, 60966-1	

ELECTRICAL

Impedance : 50 ± 1.5 Ω
Return loss (jumper L =1m) :

- 30 ~ 1000 MHz ≤ -26.5 dB
- 1000 ~ 2000 MHz ≤ -21 dB
- 2000 ~ 3500 MHz ≤ -18 dB

Capacitance: 79 pF/m
Velocity: 84%
Dielectric constant: 1.42
Screening effectiveness: > 85 dB
Operating frequency: ≤ 15 GHz
Peak power rating: 3.6 kW
Operating voltage: 0.6 kV RMS
Insulation Resistance: > 10000 MΩ.km
DC resistance:

- Inner conductor: ≤ 11.0 Ω/km
- Outer conductor: ≤ 10.5 Ω/km

Frequency (MHz)	Attenuation (dB/100m) @ 20°C Typical	Power kW @ 40°C-Ambient Temperature Inner conductor: 100°C
10	2.74	3.00
30	4.32	1.84
100	6.94	1.09
300	11.47	0.67
450	14.29	0.56
900	20.90	0.41
1000	21.83	0.38
1500	27.13	0.31
1800	29.60	0.28
2000	31.59	0.26
3000	39.40	0.22
3500	43.00	0.19