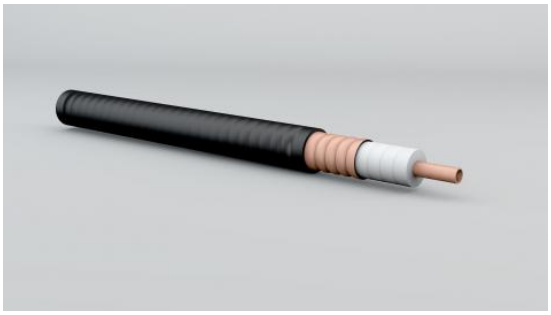


M2936Z
HYPERCELL

HPL 50-3/8 F - Fire resistant LSOH Jacket

GENERAL CHARACTERISTICS

Inner Conductor:	Copper - clad Aluminium Diameter: 3.3 mm
Dielectric:	Foam Polyethylene Diameter: 8.5 mm
Outer Conductor:	Corrugated copper Outer Diameter: 9.5 mm
Jacket:	Low smoke Zero Halogen Compound Diameter: 11.5 mm

Ink marking: ACOME HYPERCELL COAX LSOH HPL 50-3/8F FLEXIBLE M2936 LOT X lot N° (+ Metric length)

MECHANICAL

Bending radius:

- Operating : 100 mm – Min
- Installation : 60 mm – Min

Tensile Strength: 700 N – Max

Weight: 148 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 / 60332-3A

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 Ω
Return loss :

- 400 ~ 500 MHz ≤ -26.5 dB
- 800 ~ 1000 MHz ≤ -26.5 dB
- 1700 ~ 2200 MHz ≤ -24 dB
- 2500 ~ 2700 MHz ≤ -23.5 dB

Capacitance: 78 pF/m
Passive Intermodulation : ≤-158 dBc
Velocity: 85%
Dielectric constant: 1.38
Screening effectiveness: > 120 dB
Operating frequency: ≤ 12 GHz
Peak power rating: 12.8 kW
Operating voltage: 1.13 kV RMS
Insulation Resistance: > 10000 MΩ.km
DC resistance:

- Inner conductor: ≤ 3.46 Ω/km
- Outer conductor: ≤ 3.50 Ω/km

Frequency (MHz)	Attenuation (dB/100m) @ 20°C Typical	Power kW @ 40°C-Ambient Temperature Inner conductor: 100°C
30	1.74	5.68
80	2.85	3.46
150	3.93	2.51
450	6.91	1.43
824	9.47	1.04
900	9.92	0.99
960	10.26	0.96
1000	10.48	0.94
1500	12.99	0.76
1700	13.89	0.71
1800	14.32	0.69
1900	14.74	0.67
2000	15.15	0.65
2200	15.95	0.62
2300	16.33	0.60
2400	16.71	0.59
2500	17.08	0.58
3000	18.86	0.52
3300	19.86	0.50
3400	20.19	0.49
3500	20.51	0.48
3600	20.83	0.47
3800	21.46	0.45