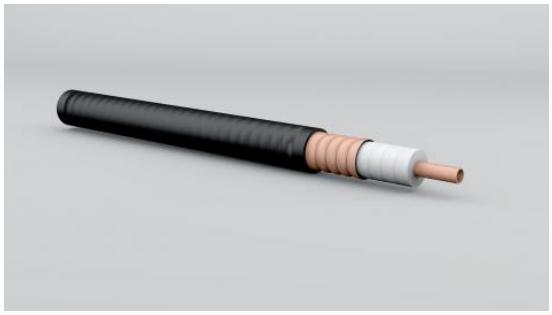


M2831Z
HYPERCELL

Cable HPL 1/2F LSOH

GENERAL CHARACTERISTICS

Inner Conductor:	Copper - clad Aluminium: 4.8 mm
Dielectric:	Foam Polyethylene: 11.9 mm
Outer Conductor:	Corrugated copper: 13.7 mm
Jacket:	Low smoke Zero Halogen Compound : 16.0 mm

Ink Marking: ACOME HYPERCELL COAX LSOH HPL 50-1/2F FLEXIBLE M2831 LOT X lot N°+Metric length

MECHANICAL

Bending radius:

- Operating : 125 mm – Min
- Installation : 70 mm – Min

Tensile Strength: 1100 N – Max

Weight: 253 kg/km

Packaging: 250 or 500 m

ENVIRONMENTAL

Temperature range:

- Operating: -40°C / +85°C
- Installation: -20°C / +60°C
- Storage: -70°C / +85°C

Fire Resistance: 60332-1 / 60332-3A

CPR: Dca Compliance ,EN 50575

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
- 3400 ~ 3800Mhz ≤ -22 dB

Capacitance: 76 pF/m
Passive Intermodulation : ≤-160 dBc
Velocity: 88%
Dielectric constant: 1.32
Screening effectiveness: > 120 dB
Operating frequency: ≤ 8 GHz
Peak power rating: 40 kW
Operating voltage: 1.6 kV RMS
Insulation Resistance: > 10000 MΩ.km
DC resistance:

- Inner conductor: ≤ 1.60 Ω/km
- Outer conductor: ≤ 2.40 Ω/km

Frequency (MHz)	Attenuation (dB/100m) @ 20°C Typical	Power kW @ 40°C-Ambient Temperature Inner conductor: 100°C
30	1.18	8.35
80	1.95	5.06
150	2.69	3.67
450	4.76	2.07
824	6.56	1.50
900	6.88	1.43
960	7.12	1.39
1000	7.28	1.35
1500	9.07	1.09
1700	9.71	1.02
1800	10.02	0.98
1900	10.32	0.95
2000	10.62	0.93
2200	11.19	0.88
2300	11.47	0.85
2400	11.75	0.84
2500	12.02	0.82
3000	13.34	0.74
3300	14.06	0.70
3400	14.28	0.69
3500	14.52	0.68
3600	14.75	0.64
3800	15.21	0.62