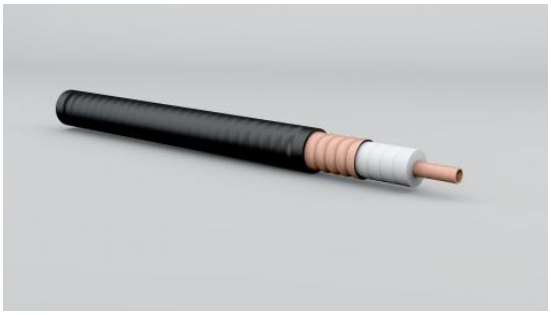


M5554Z
HYPERCELL

HPL 50-3/8 SF – Fire resistant LSOH Jacket

GENERAL CHARACTERISTICS

Inner Conductor:	Copper – clad Aluminium 2.6 mm
Dielectric:	Foam Polyethylene 6.7 mm
Outer Conductor:	Corrugated copper 9.1 mm
Jacket:	Low smoke Zero Halogen Compound 10.2 mm

Ink Marking: ACOME HYPERCELL COAX LSOH HPL 50-3/8SF SUPER FLEXIBLE M5554 LOT X lot N°(+Metric length)

MECHANICAL

Bending Radius:

- Operating: 45mm-Min
- Installation: 25mm-Min
- Tensile Strength: 600N -Max
- Weight: 125kg/km
- Packaging: 500 m

ENVIRONMENTAL

- Operating temperature range: -40-+85°C

ELECTRICAL

Impedance: 50Ω
Return Loss/:

- 380 ~ 500 MHz ≤ -26.5 dB
- 694 ~ 960 MHz ≤ -26.5 dB
- 1700 ~ 2200 MHz ≤ -24 dB
- 2500 ~ 2700 MHz ≤ -23.5 dB
- 3400~4000Mhz ≤ -22 dB

Capacitance: 82 pF/m
Passive Intermodulation: ≤-160 dBc
Velocity: 82%
Dielectric Constant: 1.52
Screening Effectiveness: > 120 dB
Operating Frequency: ≤ 13 GHz
Peak Power Rating: 11.9 kW
Operating Voltage: 0.84 kV RMS
Insulation Resistance: > 10000 MΩ.kmDC Resistance:

- Inner conductor ≤ 5.50 Ω/km
- Outer conductor ≤ 5.10 Ω/km

Frequency (MHz)	Attenuation (dB/100m) @ 20°C Typical	Power kW @ 40°C- Ambient Temperature Inner conductor: 100°C
30	2.27	3.06
80	3.75	1.88
150	5.16	1.36
450	9.14	0.78
824	12.60	0.56
900	13.20	0.54
960	13.62	0.53
1000	13.90	0.52
1500	17.35	0.42
1700	18.60	0.39
1800	19.20	0.37
1900	19.76	0.36
2000	20.30	0.35
2200	21.40	0.33
2300	21.95	0.32
2400	22.48	0.316
2500	23.0	0.31
3000	25.47	0.28
3300	26.90	0.26
3400	27.34	0.25
3500	27.79	0.24
3600	28.24	0.23
3800	29.18	0.21

RANGE

NORMS AND STANDARDS

RESISTANCE AU FEU

- IEC 60332-1 / 60332-3C
- IEC 60754-2

- IEC 61034

RECOMMENDATIONS

STORAGE & INSTALLATION

Température :

- Installation : -20-+60°C
- Stockage : -70-+85°C