

CLONE OF M5333Z HYPERCELL

HPL 50-3/8XF - High Fire Resistant LSOH Jacket



GENERAL CHARACTERISTICS

Inner Conductor:	Copper - clad Aluminium Diameter:	2.76 mm
Dielectric:	Foam Polyethylene Diameter:	7.3 mm
Outer Conductor:	Annealed copper tape Copper wire braid Diameter:	8.0 mm
Jacket:	Black high fire resistant low smoke zero halogen compound Diameter:	10.1 mm

Ink marking: ACOME HYPERCELL COAX LSOH HFR HPL 50-3/8XF EXTRA FLEXIBLE M5333 LOT X lot N° (+ Metric length)

MECHANICAL

Bending radius:	Operating	50 mm – Min
	Installation	25 mm – Min
Inst. / Op.Tensile Strength:	700 / 500 N – Max	
Weight:	109 kg/km	

ELECTRICAL

Impedance : $50 \pm 1.5 \Omega$

Return loss (jumper L =1m) :

- 1 ~ 1000 MHz ≤ -26.5 dB
- 1000 ~ 2000 MHz ≤ -21 dB
- 2000 ~ 3000 MHz ≤ -18 dB

Capacitance: 78 pF/m

Velocity: 85%

Dielectric constant: 1.38

Screening effectiveness: > 85 dB

Operating frequency: ≤ 12 GHz

Peak power rating: 8.4 kW

Operating voltage: 0.9 kV RMS

Insulation Resistance: > 10000 M Ω .km

DC resistance:

- Inner conductor: ≤ 4.75 Ω /km
- Outer conductor: ≤ 8.30 Ω /km

Frequency (MHz)	Attenuation (dB/100m) @ 20°C Typical	Power kW @ 40°C-Ambient Temperature Inner conductor: 100°C
10	1.16	6.15
30	2.05	3.53
100	3.80	1.91
200	5.55	1.25
300	6.75	1.09
450	8.40	0.89
900	12.25	0.62
1000	13.0	0.59
1500	16.35	0.48
1800	18.20	0.43
2000	19.30	0.41
3000	24.51	0.33
3500	26.82	0.29
5000	33.20	0.22
5700	35.90	0.19
10000	50.80	0.12
11000	54.00	0.10