



DATA SHEET

HPL 50-3/8XF HFR

High Fire resistant Low smoke Zero Halogen Jacket

AST
M5333

Page: 1/1

- 1 - Inner Conductor** : Copper -clad Aluminium
Diameter : 2.76 ± 0.03 mm
- 2 - Dielectric** : Physically Foam Polyethylene
Diameter : 7.30 ± 0.20 mm
- 3 - Outer Conductor** : Annealed copper tape
Plain copper braid,wire diameter :0.15mm
Diameter over braid: 8.0 mm
- 4 - Jacket** :Black High Fire Resistance Low Smoke Zero Halogen Compound
Diameter : 10.10 ± 0.30 mm
- 5 - Ink marking** : Metric length



ACOME HYPERCELL COAX LSOH HFR HPL 50-3/8XF M5333 LOT lot N°

Mechanical & Environmental Characteristics

Packaging : 500 meters
 Fire resistance :IEC332-1/332-3A/UL1666/NFC32070.2.2/RATP K26
 Smoke toxicity :IEC754-2/NFC20-454
 Smoke density :IEC1034
 Weight approx : 111kg/km

Installation Bending radius : 25 mm - Min.
 Operating Bending radius : 50 mm - Min.
 Installation temperature range : -20°C / + 60°C
 Operating temperature range : -40°C / + 85°C
 Installation/OperatingTensile Strength : 700/500N - Max.

Electrical Characteristics

Impedance : 50 ± 1.5
 Capacitance : 78 pF/m,Typical value
 Velocity : 85%, Dielectric constant : 1.38, typical values
 Screening effectiveness : > 88 dB
 Max Operating frequency : 12 GHz

Peak power rating : 8.4kW
 Operating voltage : 0.9 kV RMS
 Test voltage : 1.8 kV RMS
 Insulation Resistance : > 10000 MΩ .km
 DC resistance : Inner conductor : ≤ 4.75 Ω /km
 : Outer conductor : ≤ 8.30 Ω /km

Test methods are meeting the requirements of :

IEC60096-0-1,IEC61196-1,IEC60966-1

Frequency MHz	Attenuation db/100m @ 20°C Typical	Power kW @ 40°C-AmbientTemp Inner conductor : 100°C
10	1,16	6,15
30	2,05	3,53
100	3,80	1,91
300	6,75	1,09
450	8,40	0,89
900	12,25	0,62
1000	13,00	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

This technical specification is for reference only and is subject to change without notice

Edition :2009-09-04