



DATA SHEET

HPL 50-3/8XF

Fire Resistant Low Smoke Zero Halogen Jacket

AST

M5435

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- 1 –Inner conductor :** Copper clad Aluminium
Diameter : 2.76 ± 0.03 mm
- 2 –Dielectric :** Foam Polyethylene
Diameter : 7.30 ± 0.20 mm
- 3 –Outer conductor :** Aluminium/polyester/Aluminium tape
Tin-copper braid,wire diameter :0.15mm
Diameter over braid: 8.0mm
- 4 –Jacket :**Fire Resistant Low Smoke Zero Halogen Compound
Diameter : 10.10 ± 0.30 mm
- 5 –Ink Marking :** Metric Length



ACOME HYPERCELL COAX LSOH HPL 50-3/8XF M5435 LOT X lot N° +Meter

Mechanical Characteristics

Packing : 500 m

Weight approx : 100 kg/km

Fire resistant: IEC 332-1/332-3A

Smoke Toxicity:IEC754-2/NFC20-454

Smoke density: IEC1034

Installation bending radius : 25 mm -Min

Operating bending radius : 50 mm -Min

Installation/Operating Tensile strength : 700N/500 N Max

Installation temperature range: -20 °C /+ 60 °C

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

Electrical Characteristics

Impedance : 50 ± 1.5

Capacitance : 78.0 pF/m,typical values

Velocity : 85% - dielectric constant : 1.38, typical value

Screen effectiveness : > 90 dB

Operating frequency : 12 Ghz

Peak power : 8.4 kW

Operating voltage : 0.9 kV RMS

Test voltage : 1.8 kV RMS

Insulation resistance : > 10000 M Ω .km

DC resistance :Inner conductor : $\leq 4.75 \Omega$ /km

Outer conductor : $\leq 8.60 \Omega$ /km

Test methods are meeting the requirement of :

IEC 60096-0-1,IEC61196-1,IEC60966-1

Frequency MHz	30	100	300	450	900	1000	1500	1800	2000	3000
Attenuation dB/100 m 20°C Typical	2.17	4.05	7.60	8.86	12.72	13.46	16.76	18.56	19.67	24.72
Power kW-ambient temperature : 40°C Inner conductor: 100°C	3.49	1.89	1.03	0.86	0.60	0.56	0.45	0.41	0.39	0.32

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

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