



H-355A AL PVC

	<p>SMATV coaxial cable for analog and digital signals in TV & SAT distribution . Class A</p>
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Description

75 Ohm coaxial cable suitable for SMATV signal distribution . Gas injected foam dielectric. PVC outer sheath.

PHYSICAL CHARACTERISTICS

Inner conductor :

Number of coax	1
Total number of conductors	1
Conductor diameter	0.82 ± 0.010 mm
Conductor material	CU – bare copper

Insulation

Insulation material	Gas injected foam Polyethylene
Insulation diameter	3,50 ± 0.10 mm

Outer shield

	<i>Layer 1</i>	<i>Layer 2</i>
Outer shield type	Tape	Braid
Outer shield material	Al/Pet/Al	TCCA
Coverage	100%	>70%

Outer sheath

Outer sheath material	PVC – Polyvinyl Chloride
Outer sheath diameter	5.00 ± 0.10 mm

ELECTRICAL CHARACTERISTICS

Nominal characteristic Impedance	75 ± 3 Ohms
Nom. Capacitance Conductor to Shield	53 ± 2 pF/m
Nominal Velocity of Propagation	83%
Nom. Inner Conductor DC Resistance	34 Ohm/Km @ 20° C
Nom. Outer Conductor DC Resistance	45 Ohm/Km @ 20° C
Voltage Test of Dielectric	2.5 kVdc
Voltage Test of Sheath	2.5 kVdc



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Minimum Structural Return Loss :

Start frequency (MHz)	Stop Frequency (MHz)	Minimum S.R.L (dB)
5	30	28
30	1.000	26
1000	2.000	24
2.000	3.000	22

Transfer Impedance	Screening efficiency :		
5 – 30 MHz	30 – 1000 MHz	1000 – 2000 MHz	2000 – 3000 MHz
< 5 mOhm/m	>= 90 db	>= 85 dB	>= 80 db

Max. Attenuation (dB/100 m) :

Frequency (MHz)	10	50	100	230	470	860	1.000	1.350	1.750	2.150	2.400	3.000
Attenuation (dB)	2,6	5,0	7,5	11,8	16,0	23,2	25,0	29,5	34,0	37,5	40,0	45,0

MECHANICAL CHARACTERISTICS

Operating Temperature Range	-25°C/+70°C
Installation Temperature	-5°C/+40°C
Minimum Bending Radius	25 mm
Approx. Weight	23 gr/m

FLAME TEST

Not applicable

APPLICABLE STANDARDS & COMPLIANCE

EN 50117-2-4
CEI 100-7

MARKING (in yellow)

F.M.C – COAX H-355A AL PVC – EN50117.2.4 – 23 dB/800 MHz – Digital Indoor Drop Cable – Class A – ww/yyyy + metrical printing

PACKAGING & COLORS

Item	Description	Color	Put-up	Put-up Weight (Kgs)
355AL0B150	H-355 AL PVC	White	Easy Box 150 m	3,50