

P3 500JCA / P3 500JCAM109
SOLID SEAMLESS AL-TUBE
75 OHMS TRUNK COAXIAL CABLE



1 : CONSTRUCTION

- 1-1 INNER CONDUCTOR :
 COPPER CLAD ALUMINUM
 NOMINAL DIAMETER: 2.77MM
- 1-2 DIELECTRIC
 GAS INJECTED FOAM PE
 NOMINAL DIAMETER: 11.40MM
- 1-3 SHIELD
 SOLID ALUMINUM TUBE
 NOMINAL THICKNESS: 0.61MM
- 1-4 OUTER JACKET
 PE JACKET
 NOMINAL DIAMETER: 14.30MM
- 1-5 MESSENGER
 STEEL, NOMINAL DIAMETER: 2.77MM
 MINIMUM BREAKING STRENGTH: 816KG



2 : ELECTRICAL PROPERTIES(20 °C)

- 2-1 CAPACITANCE : 50±2pF/m
- 2-2 IMPEDENCE : 75±2Ω
- 2-3 Velocity of Propagation : 88%
- 2-4 RETURN LOSS : (fig.1)
- 2-5 ATTENUATION (dB/100m) : (fig. 2)

RETURN LOSS (fig.1)

Frequency (MHz)	Specification (dB)
VHF (50~470)	25
UHF (470~1000)	23

ATTENUATION (fig.2)

Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100ft)
5	≤0.52	≤0.16
55	≤1.77	≤0.54
211	≤3.58	≤1.09
400	≤5.02	≤1.53
550	≤5.97	≤1.82
750	≤7.09	≤2.16
865	≤7.66	≤2.34



GROSS WEIGHT: 170 KG per 750mt P500 Messenger reel
 NET WEIGHT : 145 KG per 750mt P500 Messenger reel
 WOODEN SIZE : 95x40x52 cm

