

## QR540 / QR540 M

**WELD AL-TUBE**  
**75 OHMS TRUNK COAXIAL CABLE**

## TRUNK CABLE

412/412M/500/500M/540/540M  
/565/565M/625/750.etc



### 1 : CONSTRUCTION

- 1-1 INNER CONDUCTOR :  
COPPER CLAD ALUMINUM  
NOMINAL DIAMETER: 3.15MM
- 1-2 DIELECTRIC  
GAS INJECTED FOAM PE  
NOMINAL DIAMETER: 13.03MM
- 1-3 SHIELD  
WELD ALUMINUM  
NOMINAL THICKNESS: 0.345MM
- 1-4 OUTER JACKET  
PE JACKET  
NOMINAL DIAMETER: 15.49MM
- 1-5 MESSENGER  
STEEL, NOMINAL DIAMETER: 2.77MM  
MINIUM 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)

ATTENUATION (fig.2)

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
5	≤0.14	≤0.46
55	≤0.47	≤1.54
211	≤0.95	≤3.12
400	≤1.32	≤4.33
550	≤1.56	≤5.12
750	≤1.85	≤6.07
865	≤2.00	≤6.56
1000	≤2.17	≤7.12

RETURN LOSS (fig.1)

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