

# TECHNICAL DATA SHEET

## RG6U, 75 Ohm Coaxial Cable, Plus 4 Telephone wire



### 1. CONSTRUCTION

- CENTER CONDUCTOR: (Coax)18 AWG COPPER CLAD STEEL (CCS)  
(Coax) NOMINAL DIAMETER: 1.02mm  
(Telephone wire) 0.50mm Bare Copper, 2Pair, 4Core
- DIELECTRIC: (Coax)GAS EXPANDED POLYETHYLENE (FPE)  
(Coax)NOMINAL DIAMETER OVER DIELECTRIC: 4.80mm  
(Telephone wire) HIGH SPEED HDPE INSULATED: NOMINAL OD 1.0mm  
2 Pairs, Blue/White and Orange/White, Each pair twisted
- SHIELD: (Coax)1<sup>ST</sup> SHIELD: BONDED AL/PET TAPE  
(Coax)2<sup>ND</sup> SHIELD: 60% ALUMINUM WIRE BRAID  
(Coax)NOMINAL DIAMETER OVER 2<sup>ND</sup> SHIELD: 5.43mm
- JACKET: OVERALL JACKET PVC  
(Coax)NOMINAL DIAMETER OVER JACKET: 6.90mm  
(Coax)NOMINAL JACKET THICKNESS: 0.73mm  
(Telephone wire)NOMINAL JACKET THICKNESS: 0.50mm

### 2. ATTENUATION

Attenuation	[@68° F. (20° C.)]	Attenuation	[@68° F. (20° C.)]
Frequency (MHz)	Maximum (dB /100 m)	Frequency (MHz)	Maximum (dB /100 m)
5	2.66	400	13.61
55	5.25	450	14.43
83	6.40	500	15.09
187	9.35	550	16.08
211	10.00	600	16.73
250	10.82	750	18.54
300	11.64	865	20.01
350	12.63	1000	21.49

### 3. ELECTRICAL CHARACTERISTICS

IMPEDANCE	75±3 Ohm
VELOCITY OF PROPAGATION	85%
CAPACITANCE	54±3 pF/M
INNER CONDUCTOR DCR	≤102 Ohm/Km
RETURN LOSS	5-1000MHz ≥ 20 dB

### 4. APPROVAL

