

**RAMCRO - Coaxial RG6 Cable**

For standard applications, flame retardant.

CCS, Foam PE-Insulation, Overall Screen-Aluminum wire Braid , PVC-Sheath

**Code : R19116****Foam PE/Screen/PVC****Application :**

RG6 coaxial cable is used for transmitting cable TV, satellite, and broadband signals in residential and commercial installations , defense applications

| Construction      | R19116                                                                                      |      | Nominal          |
|-------------------|---------------------------------------------------------------------------------------------|------|------------------|
| Formation         |                                                                                             | Unit | Value            |
| Section           | 1.02 mm                                                                                     |      |                  |
| Conductor         | Copper Clad Steel                                                                           | mm   | 1,02 mm          |
| Insulation        | Foam- PE                                                                                    | mm   | 4,6 (+/-0,10 mm) |
| Colour Code       | White                                                                                       |      |                  |
| Individual Screen | N.A.                                                                                        |      |                  |
| Wrapping          | at least 1 layer of plastic tape as necessary                                               |      |                  |
| Collective Screen | Al Mylar tape screen with AL Braid ( Approx 0.12 mm , App. 30-35% Coverage)                 |      |                  |
| Inner Sheath      | N.A.                                                                                        |      |                  |
| Armour            | N.A.                                                                                        |      |                  |
| Outer Sheath      | Polyvinyl chloride - PVC - Black                                                            | mm   | 6,8              |
| Cable Printing    | RAMCRO ITALY RG6 75 OHM PVC R19116 "PROD.WEEK/YEAR" + BATCH NUMBER<br>+ITALY+ METER MARKING |      |                  |

**Technical Data & Standard References**

|                        |             |                                  |               |
|------------------------|-------------|----------------------------------|---------------|
| Fire Propagation:      |             | Construction Reference Standard: | RG6           |
| - Test on single cable | IEC 60332-1 | Type of Cable:                   | Coaxial Cable |

**Electrical & Mechanical Data**

|                         |      |          |                         |     |           |
|-------------------------|------|----------|-------------------------|-----|-----------|
| Conductor Cross-section | Nom. | 1,02 mm  | Shielding Effectiveness | dB  | > 70      |
| Capacitance             | pF/m | 52±2     | Spark Test              | VAC | 3000      |
| Impedance               | Ohm  | 75 +/- 5 | Operating Temp Range    |     | -20 to 70 |
| Velocity of Propagation | %    | 82%      |                         |     |           |
| Retrun Loss             | dB   | ≥20      |                         |     |           |

**Attenuation at 20° (+/-5%)**

5 MHz : 2.20 dB/100m  
10 MHz : 2.48 dB/100m  
50 MHz : 5.15 dB/100m  
100 MHz : 6.60 dB/100m  
200 MHz : 9.56 dB/100m  
400 MHz : 13.12 dB/100m  
550 MHz : 15.45 dB/100m  
800 MHz : 19.10 dB/100m  
870 MHz : 19.69 dB/100m  
1250 MHz : 24.25 dB/100m  
1750 MHz : 29.26 dB/100m  
2150 MHz : 32.88 dB/100m  
2500 MHz : 35.88 dB/100m  
3000 MHz : 39.83 dB/100m

Issued by: Analyst\_PMS



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