

1. APPLICATIONS

HDTV, DBS, CATV, CCTV, MULTIMEDIA, VOICE, DVIDEO, DATA, HIGH SPEED INTERNET, NETWORKED COMPUTING, DISTRIBUTED VIDEO, DISTRIBUTED AUDIO, SECURITY MONITORING, ENERGY MONITORING

2. CONSTRUCTION

CENTER CONDUCTOR: (RG6Q) 18 AWG COPPER CLAD STEEL (CCS)
NOMINAL DIAMETER: 1.02mm (0.040")
(CAT5E) 24 AWG BARE COPPER

DIELECTRIC: (RG6Q) GAS EXPANDED POLYETHYLENE (FOAM PE)
NOMINAL DIAMETER OVER DIELECTRIC: 4.57mm (0.180")
(CAT5E) HDPE, 4PR, NOMINAL DIAMETER: 0.9mm (0.035")

SHIELD: (RG6Q) 1ST SHIELD: BONDED AL/PET TAPE
NOMINAL DIAMETER OVER TAPE: 4.75mm (0.187")
2ND SHIELD: 80X36 AWG ALUMINUM WIRE BRAID,
60% COVERAGE
3RD SHIELD: AL/PET/AL TAPE
4TH SHIELD: 48X36 AWG ALUMINUM WIRE BRAID,
40% COVERAGE

JACKET: (RG6Q) PVC JACKET
NOMINAL DIAMETER OVER JACKET: 7.40mm (0.291")
NOMINAL JACKET THICKNESS: 0.76mm (0.030")
(CAT5E) PVC JACKET
NOMINAL DIAMETER OVER JACKET: 5.20mm (0.205")
NOMINAL JACKET THICKNESS: 0.50mm (0.197")
(OVERALL) PVC JACKET (WHITE/BLUE/ORANGE, ETC.)
NOMINAL DIAMETER OVER JACKET: 15.62mm (0.615")
NOMINAL JACKET THICKNESS: 0.90mm (0.035")

**3. MECHANICAL CHARACTERISTICS**

Operating Temperature Range: -20°C to 75°C
Installation Temperature Range: 0°C to 60°C
Max. Recommended Pulling Tension: 275 lbs
Min. Bend Radius (Install): 6.5 in.

4. CAT5E PAIR IDENTIFICATION

Pair 1 Blue/White w/Co-Extruded Blue Stripe on White Single
Pair 2 Orange/White w/Co-Extruded Orange Stripe on White Single
Pair 3 Green/White w/Co-Extruded Green Stripe on White Single
Pair 4 Brown/White w/Co-Extruded Brown Stripe on White Single

5. SUBUNIT IDENTIFICATION

CAT5E	GREY
CAT5E	WHITE
RG6Q	BLACK
RG6Q	WHITE