



CAT 6 UTP Component

Pair Count: 4
 Conductor: Solid annealed copper
 AWG (mm): 23 (0.57)
 Insulation: Thermoplastic
 Separator: Cross-web
 Jacket: Flame retardant PVC

Characteristic Impedance (Ohms)	100 ± 15
Nominal Velocity of Propagation (%)	70
Fiber Component*	62.5/125 μm duplex, 5 mm round, 900 μm tight buffered

Coax RG-6 Quad Shield Component

Conductor: Copper clad steel
 AWG (mm): 18 (1.02)
 Insulation: Polyethylene
 Inner Shield: 2.8 mil aluminum foil
 Inner Braid: 34 AWG aluminum (60%)
 Outer Shield: 1.8 mil aluminum foil
 Outer Braid: 34 AWG aluminum (40%)
 Jacket: PVC
 Electrical: See "Coax RG-6, Quad Shield CM/CATV, CMR/CATVR, CMP/CL2P, Interlock Armored CMR" on page A-75

Binder Yarn	Flexible, dual binder yarns, contra-helically applied
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Product Description

Grupo Matel offers multiple configurations of skip-wrapped or bundled riser-rated (CMR) composite cables to support common drop configurations used in residential structured wiring installations. These composite cables improve installation time and reduce the chance of violating minimum bend radius of the cable. The individual components support many technologies, including extended bandwidth satellite service, 1000BASE-T and 100BASE-TX Ethernet and high-definition TV signals. This product is also available with an optical fiber cable.

Applications

- 10BASE-T through 1000BASE-T Ethernet
- Power over Ethernet (PoE) – IEEE 802.3af
- PoE+ – IEEE 802.3at Type 1 and 2
- ATM and token ring
- HDTV, CATV, CCTV and DBS

Features

- All-in-one cable design
- RG-6 Quad Shield coaxial cable with typical bandwidth that exceeds 3 GHz
- Multiple constructions available
- Optional optical fiber premises cable
- Flexible, dual binder yarns, contra-helically applied

Benefits

- Reduces installation time, provides additional protection to the individual cables
- “Future-Proofing” the installation. Supports extended bandwidth satellite service and high-definition TV signals
- Customized flexibility for the application
- Integrated fiber reduces the need to install separate cables for home interior optical networks
- Maintains maximum flexibility and allows for easy breakout

Specifications (continued)

Component Performance Compliance	UL 444 CSA C22.2 No. 214-08 UL 1666 ANSI/TIA-568-C.2 ANSI/ICEA S-83-596-2001 Article 800, NEC (NFPA 70) RoHS-compliant
Component NRTL Programs	UL, c(UL) Listed CMR

Part Numbers and Physical Characteristics

Listing	Part Number	Type and Number of Cable Components			Nominal Diameter in (mm)	Nominal Weight lbs/kft (kg/km)	Package
		CAT 6	RG-6 Quad	62.5 2-fiber*			
CMR	1D3-2009SA	1	1	-	0.53 (14)	56 (124)	Cut to length on plywood reel
CMR	1D3-5009SA	1	2	-	0.56 (14)	88 (195)	Cut to length on plywood reel
CMR	1D3-A009SA	2	1	-	0.51 (13)	81 (178)	Cut to length on plywood reel
CMR	1D3-D009SA	2	2	-	0.67 (17)	113 (248)	Cut to length on plywood reel
CMR	1D3-J009SA	3	1	-	0.67 (17)	105 (232)	Cut to length on plywood reel
CMR	1D3-M009SA	3	2	-	0.81 (21)	137 (302)	Cut to length on plywood reel
CMR	1D3-S009SA	4	1	-	0.82 (21)	130 (286)	Cut to length on plywood reel
CMR	1D3-V009SA	4	2	-	0.85 (22)	162 (356)	Cut to length on plywood reel
CMR	1D3-B169SA	2	1	1	0.56 (14)	95 (210)	Cut to length on plywood reel
CMR	1D3-E169SA	2	2	1	0.51 (13)	127 (280)	Cut to length on plywood reel
CMR	1D3-K169SA	3	1	1	0.67 (17)	120 (263)	Cut to length on plywood reel
CMR	1D3-N169SA	3	2	1	0.67 (17)	152 (334)	Cut to length on plywood reel
CMR	1D3-T169SA	4	1	1	0.81 (21)	144 (317)	Cut to length on plywood reel

*Other fiber types and fiber counts available upon request.