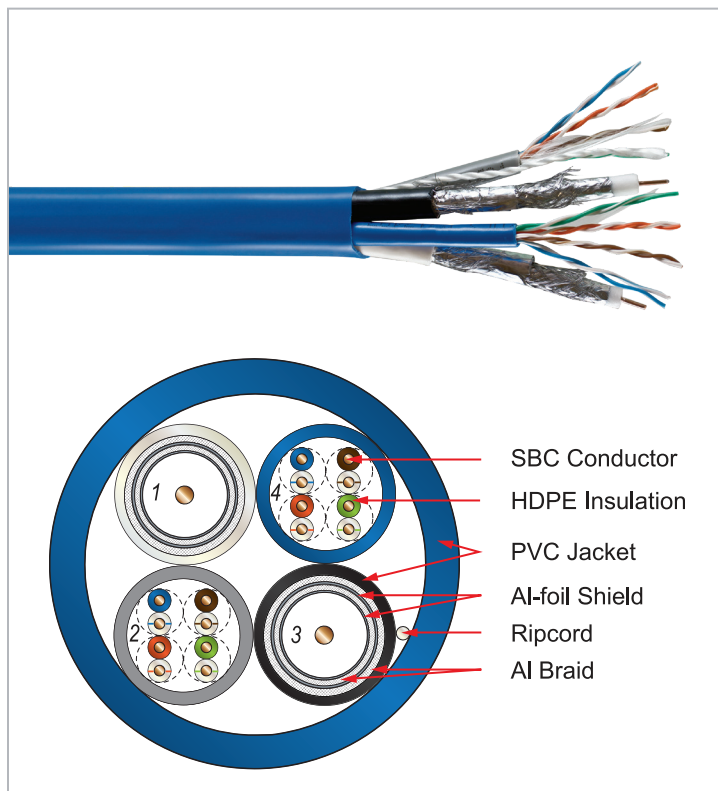




2 RG6 Quad and 2 CAT5e Structured Media Cable



Features & Benefits

- Suitable for use as residential structured wiring, general purpose horizontal wiring in LAN/CATV, balun support and media transmission for residential, light commercial and institutional applications.
- Composed of 2 RG6 Quad shield coaxial cables and (2) 24 AWG x 4 pair Unshielded Category 5e cables bundled with overall PVC jacket
- RG6 coaxial cables have a CM rated jacket for applications where cable is used in single-story commercial or residential applications
- RG6 cables are quad shielded to reduce electrical and signal interference and utilize Foam PE insulation to protect the 18 AWG copper clad steel conductor
- Category 5e cables are composed of 4 Unshielded Differential twisted pairs to reduce crosstalk (U/UTP) up to and beyond 100 MHz
- Category 5e cable is tested to 350 MHz to ensure consistent, repeatable performance within the existing standards as well as any future requirements for Category 5e cables.
- This media cables allows four cables to be pulled at once and provides an extra jacket of protection for the cable conductors while pulling through rough cut wood and metal studs.

Standards Compliance

- c(ETL)us Listed Type CM
- EIA/TIA 568
- ISO/IEC 11801
- RoHS Compliant

Applications

Vericom structured composite media cable is ideal for home automation, general purpose LAN/CATV, balun support and media transmission for residential, light commercial and institutional applications.

Description / Specifications

This structured composite media cable is composed of 2 RG6 Quad shield coaxial cables, and 2 Category 5e cables in an overall general purpose rated PVC jacket. This composite media cable is ideal for use at temperatures up to a maximum of 75°C.

Ordering Information

Description			
2 RG6 Quad and 2 CAT5e Structured Media Cable			
Item No.	Color	Packaging	Cable Weight
BMC65-01970	Blue	500 ft Wooden Spool	56.8 lb / 500 ft



2 RG6 Quad and 2 CAT5e Structured Media Cable

RG6 Quad Shield Construction (x2)

- Conductor Material:** 18 AWG Solid CCS
- Dielectric Material:** Foam PE
- Dielectric Nom. Diameter:** 0.18" (4.57 mm)
- 1st Shield Material:** Bond Al Foil + Al Wire Braiding
- 1st Shield Coverage:** 60%
- 2nd Shield Material:** Bond Al Foil + Al Wire Braiding
- 2nd Shield Coverage:** 40%
- Jacket Material:** PVC
- Jacket Dimensions:** Nominal Diameter 0.3" (7.3 mm)
- Jacket Color:** (1) Black, (1) White

RG6 Quad Shield Electrical

- Conductor DC Resistance:** 102Ω / 1 KM nom.
- Nominal Impedance:** 75Ω
- Structure Return Loss at 5-450 MHz:** >22 dB
- Structure Return Loss at 450 MHz - 3.0 GHz:** >20 dB

RG6 Nominal Transmission Performance [@68°F (20° C)]

Frequency (MHz)	Attenuation Max. (dB/100M)
5	1.90
55	5.25
187	9.35
300	11.64
450	14.43
600	16.73
750	18.54
865	20.01
1000	21.49
1200	26.16
1450	27.73
1800	31.15
2200	31.92
3000	37.50

RG6 Quad Shield Environmental Conditions

Temperature Range: -4 °F to 176 °F (-20 °C to 75 °C)

Category 5e Cable Construction (x2)

- Conductor Material:** 24 AWG Solid Bare Copper
- Insulation Material:** HDPE
- Color Code:** BI & WH/BL, OR & WH/OR, GN & WH/GN, BR & WH/BR
- Jacket Material / Rating:** FRPVC / CM
- Jacket Dimensions:** Nominal Diameter 0.2" (5.08 mm)
- Jacket Color:** (1) Blue, (1) Gray

Category 6 Electrical

Conductor DC Resistance: 6.7Ω / 100m nom.

Category 5e Environmental Conditions

Temperature Range: -4 °F to 176 °F (-20 °C to 75 °C)

Transmission Performance (at 20° C)

Freq. (MHz)	Pair to Pair (dB/100m)		Power Sum	
	NEXT (Min.)	ELFEXT (Min.)	Att. Max. (dB/100M)	RL (Min.)
1	70.30	68.8	2.0	20.0
4	61.3	56.8	4.1	23.0
8	56.8	50.7	5.8	24.6
10	55.3	48.8	6.5	25.0
16	52.2	44.7	8.3	25.0
20	50.8	42.8	9.3	25.0
25	49.3	40.8	10.4	24.3
31.25	47.9	38.9	11.7	23.6
62.5	43.4	32.9	16.9	21.5
100	40.3	28.8	21.9	20.1
155	37.7	25.3	27.5	18.9
200	35.8	22.8	32.4	18.0
250	34.3	20.8	36.9	17.3
300	33.1	19.3	40.9	16.8
350	32.1	17.9	44.9	16.3

Assembly (2 RG6U + 2 CAT6)

- Outer Jacket Material:** PVC
- Outer Jacket Color:** Blue

Overall Temperature Rating: 75 °C

Flame Rating: CM