

Model No.: VK6U23GOS305BL


Description: CAT6 U/UTP Underground LAN Cable, Black color.

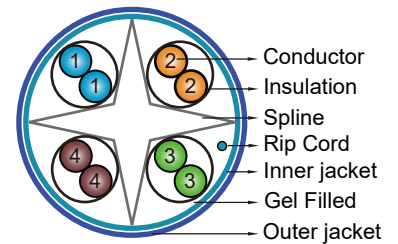


Application

Vectorkom VK6U23GOS305BL is an outside Gel-Filled Cat6 U/UTP cable. A HDPE compound insulates the cores while a PE (UV) sheath provides protection against moisture and UV, The rugged construction of this cable makes it idea for outdoor underground installations.

Characteristics

Type of cable	4 pair Gel-filled cable
Conductor Material	Soft annealed Bare Copper, 23AWG (1x0.57+/-0.01MM)
Cable insulation	PE-Foam/Skin-PE, 1.1+/-0.1MM OD
Filler	HDPE Cross
Rip cord	Polyester filament FDY 1000D, Under the sheath
Inner cable jacket	Black PE, Gel-filled, 6.7+/-0.4MM OD
Outer cable jacket	Black PE, 7.8+/-0.5MM OD
Conductor resistance	≤ 93.8ohms/KM @ 20 C temperature
DCR unbalanced	≤ 5%
Insulation resistance	≥ 5000Mohm/KM @ 500VDC charge 1 minute
Mutual capacitance	≤ 56nF/KM
Capacitance unbalance	≤ 330pF/100m @ Pair to Ground
Storage temperature	-15 C to 75 C
Installation temperature	0 C to 60 C
Maximum pulling force	25lbs
Min ben radius (install)	120mm
Cable marking	VECTORKOM OS CAT6 UTP GEL FILLED CABLE VK6U23GOS305BL  NVP @ 66% 4PR 23AWG PVC 75 °C AS/NZS 3080 CAT 6 XXW/YYY XXXM



Transmission parameters

Frequency	RL	IL	NEXT	PSNEXT	ACRF	PSACRF
4	23.0	3.8	65.3	63.3	55.8	52.8
8	24.5	5.3	60.8	58.8	49.7	46.7
10	25.0	6.0	59.3	57.3	47.8	44.8
16	25.0	7.6	56.2	54.2	43.7	40.7
20	25.0	8.5	54.8	52.8	41.8	38.8
25	24.3	9.5	53.3	51.3	39.8	36.8
31.25	23.6	10.7	51.9	49.9	37.9	34.9
62.5	21.5	15.4	47.4	45.4	31.9	28.9
100	20.1	19.8	44.3	42.3	27.8	24.8
200	18.0	29.0	39.8	37.8	21.8	18.8
250	17.3	32.8	38.3	36.3	19.8	16.8

NOTE: Spread out 100m cable and test it.

Standards

- EIA/TIA 568.2-D
- ISO/IEC 11801-1 / ISO/IEC 11801-2
- EN 50173-1 / EN 50173-2
- AS/CA S008:2010+A1/2014 ACMA RCM Certification
- IEC 61935-2:2010 Ed. 3.0