



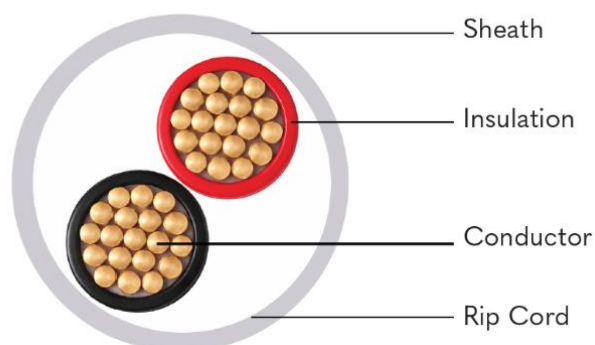
APPLICATION

Unshielded Multi-Conductor Cable suitable for Building Management System (BMS), Audio, Control, DALI and Instrumentation.

DESIGN

Conductor: N x Bare Copper Wire, 16 AWG Flexible
Insulation: HFFR/LSZH
Core Colors: 1: Black, 2: White, 3: Red, 4: Green, 5: Brown, 6: Blue, 7: Orange, 8: Yellow
Rip Cord: Nylon Yarn
Sheath Material: Flame-Retardant Halogen Free (HFFR/LSZH)
Standard colour: Grey, RAL Code: 7046
Standard Put-up Length: 305 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VC216L	VC316L	VC416L	VC616L	VC816L
No. of Cores x 16AWG (19 x 29)	2	3	4	6	8
Nom. Diameter Conductor	1.4				
Nom. Radial Thickness Insulation (mm)	0.25				
Nom. Radial Thickness Sheath (mm)	0.65				
Nom. Overall Diameter (mm)	5.1	5.4	5.9	7.0	7.6
Operating Temperature Range (°C)	-25 to +75				
Max. Recommended Pulling Tension (N)	260	390	520	780	1040
Min. Bend Radius (Install) (mm)	51	54	59	70	76
Nominal Cable Weight (kg/km)	42	55.5	70.2	98.8	126.4

ELECTRICAL CHARACTERISTICS

Part Number	VC216L	VC316L	VC416L	VC616L	VC816L
No. of Cores x 16AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	15.47				
Capacitance Conductor to Conductor (Pf/m)	65	72	72	74	75
Nominal Inductance (μ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	6.25	6.25	5	4.35	4.35
Max. Operating Voltage (Vrms)	300				

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VC216L	Voltan UK 2 Core, 16 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC316L	Voltan UK 3 Core, 16 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC416L	Voltan UK 4 Core, 16 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC616L	Voltan UK 6 Core, 16 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC816L	Voltan UK 8 Core, 16 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll