



## APPLICATION

Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS).

## DESIGN

Conductor: N x Bare Copper Wire, 16 AWG Flexible

Insulation: Polyolefin

Core 1: Black, Core 2: Red, Core 3: White, Core 4: Green, Core 5: Brown, Core 6: Blue, Core 7: Orange, Core 8: Yellow

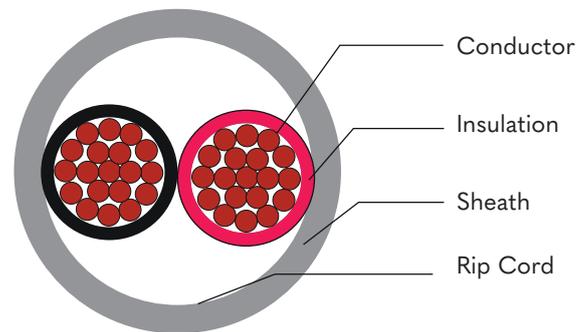
Rip Cord: Nylon Yarn

Sheath: 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 16 AWG (19 x 29)	2	3	4	6	8
Nom. Diameter Conductor (mm)	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 (°C)	-25 / +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 16 AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	15.47				
Capacitance conductor to conductor (pF/m)	65	72	72	74	75
Nominal Inductance	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

IEC 60228

IEC 60754-1 & 2

IEC 61034, IEC 60332-3-24

RoHS directives

## Ordering Information

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