



## APPLICATION

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

## DESIGN

Conductor: N x Bare Copper Wire, 14 AWG Flexible

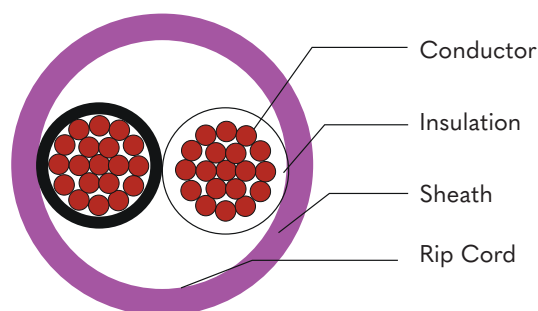
Insulation: HFFR / LSZH

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: Flame-Retardant Halogen Free (HFFR/LSZH)  
Standard colour: Purple

Standard Put-up Length: 305 Meters

## Cross Section Drawing



## Physical Characteristics

Part Number	VC216L	VC316L	VC416L	VC616L	VC816L
No of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.8				
Nom. Radial Thickness Insulation (mm)	0.3				
Nom. Radial Thickness Sheath (mm)	0.65				
Nom. Overall Diameter (mm)	6.1	6.6	7.2	8.5	9.2
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	420	635	845	1265	1685
Min. Bend Radius (Install) (mm)	61	66	72	85	92
Nominal Cable Weight (kg/km)	61.2	84.9	108.3	157.3	202.4

## Electrical Characteristics @20°C

Part Number	VC216L	VC316L	VC416L	VC616L	VC816L
No. of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	9.36				
Max. DC Resistance Screen ( $\Omega$ /km)	78.5				
Capacitance Conductor to Conductor (Pf/m)	75	75	77	80	80
Nominal inductance ( $\mu$ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	8	8	6.4	5.6	5.6
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
VC214L	2 Core, 14 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC314L	3 Core, 14 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC414L	4 Core, 14 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC614L	6 Core, 14 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC814L	8 Core, 14 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll