



## APPLICATION

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

## DESIGN

Conductor: N x Bare Copper Wire, 12 AWG Flexible

Insulation: HFFR

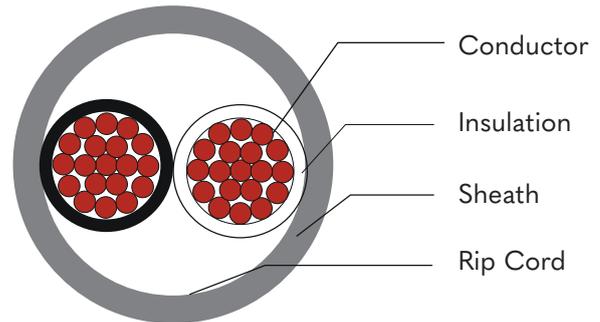
Core 1: Black, Core 2: White, Core 3: Red, Core 4: Green, Core 5: Brown, Core 6: Blue, Core 7: Orange, Core 8: Yellow

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	VC212L	VC312L	VC412L	VC612L	VC812L
No. of Cores x 12 AWG (19 x 25)	2	3	4	6	8
Nom. Diameter Conductor	2.3				
Nom. Radial Thickness Insulation (mm)	0.3				
Nom. Radial Thickness Sheath (mm)	0.65				
Nom. Overall Diameter (mm)	7.2	7.6	8.4	10.1	11.1
Operating Temperature Range (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	675	1015	1350	2025	2700
Min. Bend Radius (Install) (mm)	72	76	84	92	111
Nominal Cable Weight (kg/km)	92.3	124.8	160.3	230.6	299.0

## Electrical Characteristics

Part Number	VC212L	VC312L	VC412L	VC612L	VC812L
No. of Cores x 12 AWG (19 x 25)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	5.61				
Capacitance Conductor to Conductor (Pf/m)	78.5	76	80	80	80
Nominal Inductance ( $jH$ /m)	0.5				
Max. Recommended Current at 25°C (Amps)	12	12	9.6	8.4	8.4
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
VC212L	2 Core, 12 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC312L	3 Core, 12 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC412L	4 Core, 12 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC612L	6 Core, 12 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC812L	8 Core, 12 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll