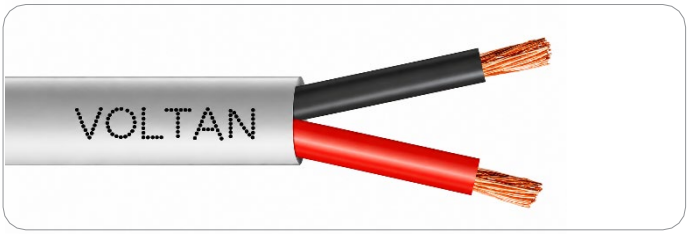
VOLTAN

POWERING CONNECTIONS • ENERGIZING SOLUTIONS

2C to 8C, 12AWG Unshielded, Multi Conductor Cable HFFR/LSZH Sheath



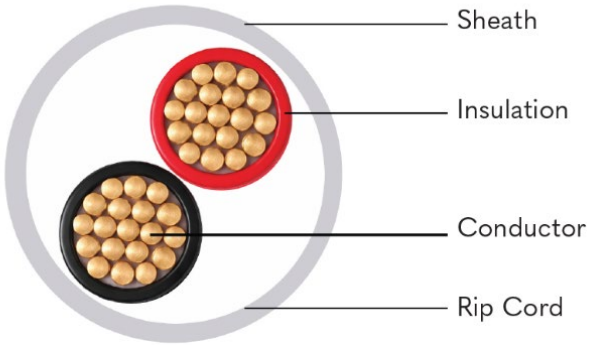
APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 12 AWG Flexible
Insulation: HFFR
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	VC212L	VC312L	VC412L	VC512L	VC612L	VC812L
No. of Cores x 12 AWG (19 x 25)	2	3	4	5	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	9.2	10.1	11.1
Operating Temperature Range (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	675	1015	1350	1690	2025	2700
Min. Bend Radius (Install) (mm)	72	76	84	92	92	111
Nominal Cable Weight (kg/km)	92.3	124.8	160.3	194.8	230.6	299.0

Voltan Technology Limited
48 Ravenor Park Road, Greenford, UB6 9QY, London, United Kingdom.

CE ISO RoHS

ELECTRICAL CHARACTERISTICS

Part Number	VC212L	VC312L	VC412L	VC512L	VC612L	VC812L
No. of Cores x 12 AWG (19 x 25)	2	3	4	5	6	8
Max. DC Resistance Conductor (Ω/km)	5.61					
Capacitance Conductor to Conductor (Pf/m)	78.5	76	80	80	80	80
Nominal Inductance (µH/ m)	0.5					
Max. Recommended Current at 25°C (Amps)	12	12	9.6	8.4	8.4	8.4
Max. Operating Voltage (Vrms)	300					

REFERENCE & STANDARDS

(BS) EN 50290-2
RoHS Directives
IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VC212L	Voltan UK 2 Core, 12 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC312L	Voltan UK 3 Core, 12 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC412L	Voltan UK 4 Core, 12 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC512L	Voltan UK 5 Core, 12 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC612L	Voltan UK 6 Core, 12 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC812L	Voltan UK 8 Core, 12 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll