



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 18 AWG Flexible

Insulation: HFFR/LSZH

Core Colors: 1: Black, 2: White, 3: Red, 4: Green,
5: Brown, 6: Blue, 7: Orange, 8: Yellow
9: Purple, 10: Grey, 11: Pink, 12: Tan

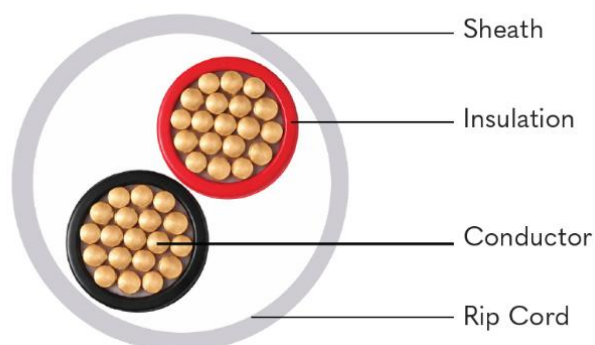
Rip Cord: Nylon Yarn

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	VC218L	VC318L	VC418L	VC618L	VC818L	VC1018L	VC1218L
No. of Cores x 18AWG (7 x 26)	2	3	4	6	8	10	12
Nom. Diameter Conductor	1.2						
Nom. Radial Thickness Insulation (mm)	0.25						
Nom. Radial Thickness Sheath (mm)	0.65						
Nom. Overall Diameter (mm)	4.7	5.0	5.4	6.4	6.9	8.1	8.4
Operating Temperature Range (°C)	-25 to +75						
Max. Recommended Pulling Tension (N)	200	299	399	600	797	996	1195
Min. Bend Radius (Install) (mm)	47	50	54	64	69	81	84
Nominal Cable Weight (kg/km)	34.7	45.5	56	78.4	99	121	144

ELECTRICAL CHARACTERISTICS

Part Number	VC218L	VC318L	VC418L	VC618L	VC818L	VC1018L	VC1218L
No. of Cores x 18AWG (7 x 26)	2	3	4	6	8	10	12
Max. DC Resistance Conductor (Ω/km)	22.7						
Capacitance Conductor to Conductor (Pf/m)	65	70	72	75			
Nominal Inductance (μH/m)	0.5						
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5			
Max. Operating Voltage (Vrms)	300						

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VC218L	Voltan UK 2 Core, 18 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC318L	Voltan UK 3 Core, 18 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC418L	Voltan UK 4 Core, 18 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC618L	Voltan UK 6 Core, 18 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC818L	Voltan UK 8 Core, 18 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC1018L	Voltan UK 10 Core, 18 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC1218L	Voltan UK 12 Core, 18 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll