



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: Polyolefin

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

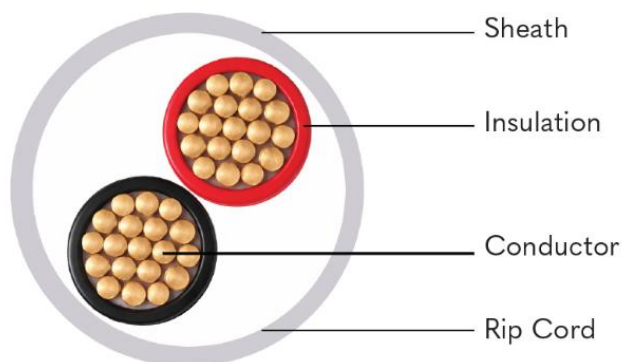
Rip Cord: Nylon Yarn

Sheath Material: Flame-Retardant Polyvinyl Chloride (PVC)

Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VC218P	VC318P	VC418P	VC618P	VC818P	VC1018P	VC1218P
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)	0.2						
Nom. Radial Thickness Sheath (mm)	0.4					0.5	0.6
Nom. Overall Diameter (mm)	3.9	4.1	4.55	5.7	5.9	7.4	8.0
Operating Temperature Range (°C)	-25 to +75						
Max. Recommended Pulling Tension (N)	200	299	399	600	797	996	1195
Min. Bend Radius (Install) (mm)	40	42	46	58	60	75	80
Nominal Cable Weight (kg/km)	27.3	36.9	47.2	68.2	87	100	126

ELECTRICAL CHARACTERISTICS

Part Number	VC218P	VC318P	VC418P	VC618P	VC818P	VC1018P	VC1218P
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)	52	55	45	50			
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
VC218P	Voltan UK 2 Core, 18 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC318P	Voltan UK 3 Core, 18 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC418P	Voltan UK 4 Core, 18 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC618P	Voltan UK 6 Core, 18 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC818P	Voltan UK 8 Core, 18 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC1018P	Voltan UK 10 Core, 18 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC1218P	Voltan UK 12 Core, 18 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll