



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 16 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

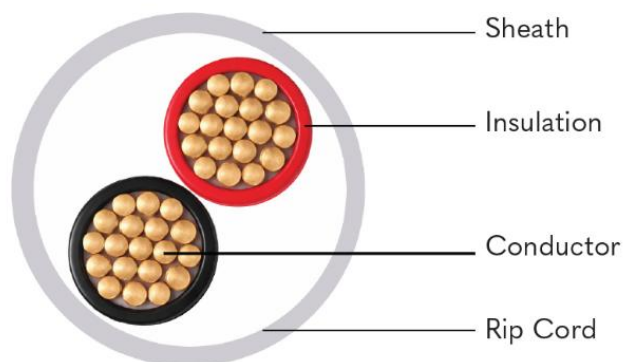
Rip Cord: Nylon Yarn

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	VC216P	VC316P	VC416P	VC616P	VC816P	VC1016P	VC1216P
No. of Cores x 16AWG (19 x 29)	2	3	4	6	8	10	12
Nom. Diameter Conductor	1.8						
Nom. Radial Thickness Insulation (mm)	0.3						
Nom. Radial Thickness Sheath (mm)	0.4					0.5	
Nom. Overall Diameter (mm)	4.5	4.75	5.25	6.7	7.5	8.4	8.7
Operating Temperature Range (°C)	-25 to +75						
Max. Recommended Pulling Tension (N)	262	391	520	780	1040	1300	1560
Min. Bend Radius (Install) (mm)	46	49	53	68	76	84	87
Nominal Cable Weight (kg/km)	35	7.7	61.1	89	118.1	135.5	161.6

ELECTRICAL CHARACTERISTICS

Part Number	VC216P	VC316P	VC416P	VC616P	VC816P	VC1016P	VC1216P
No. of Cores x 16AWG (19 x 29)	2	3	4	6	8	10	12
Max. DC Resistance Conductor (Ω/km)	15.47						
Capacitance conductor to conductor (Pf/m)	53	56	55	48	45		
Nominal inductance (μH/m)	0.5						
Max. Recommended current at 25°C (Amps)	6.25	6.25	5.00	4.35			
Max. Operating Voltage (Vrms)	300						

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VC216P	Voltan UK 2 Core, 16 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC316P	Voltan UK 3 Core, 16 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC416P	Voltan UK 4 Core, 16 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC616P	Voltan UK 6 Core, 16 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC816P	Voltan UK 8 Core, 16 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC1016P	Voltan UK 10 Core, 16 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC1216P	Voltan UK 12 Core, 16 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll