



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 16 AWG Flexible

Insulation: Polyolefin

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

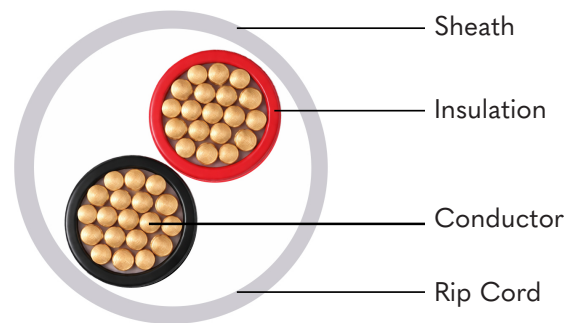
Rip Cord: Nylon Yarn

Sheath: 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
No of Cores x 16 AWG (19 x 29)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.4				
Nom. Radial Thickness Insulation (mm)	0.2				
Nom. Radial Thickness Sheath (mm)	0.4				
Nom. Overall Diameter (mm)	4.5	4.75	5.25	6.7	6.9
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	262	391	520	780	947
Min. Bend Radius (Install) (mm)	46	49	53	68	76
Nominal Cable Weight (kg/km)	35	7.7	61.1	89	118.1

Electrical Characteristics at 20°C

Part Number	VC216P	VC316P	VC416P	VC616P	VC816P
No of Cores x 16 AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	15.47				
Capacitance conductor to conductor (pF/m)	53	56	55	48	47
Nom. Inductance (μH/m)	0.5				
Max. Recommended Current at 25°C (Amps)	6.25	6.25	5.00	4.35	4.35
Max. Operating Voltage (Vrms)	300				

Reference & Standards

(BS) EN 50290-2

RoHS directives

IEC 60332-1

Ordering Information

Part Number	Description
VC216P	2 Core, 16 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC316P	3 Core, 16 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC416P	4 Core, 16 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC616P	6 Core, 16 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC816P	8 Core, 16 AWG unshielded Multi Conductor Cable, PVC 305M / Roll