



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

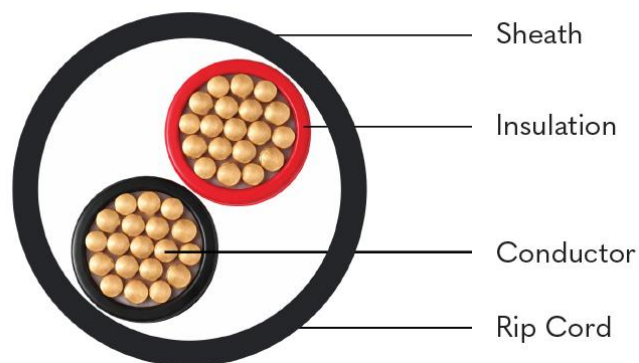
Rip Cord: Nylon Yarn

Sheath Material: PE

Standard colour: Black, RAL Code: 9005

Standard Put-up Length: 305 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VC216PE	VC316PE	VC416PE	VC616PE	VC816PE
No. of Cores x 16AWG (19 x 29)	2	3	4	6	8
Nom. Diameter Conductor	1.4				
Nom. Radial Thickness Insulation (mm)	0.2				
Nom. Radial Thickness Sheath (mm)	0.6				
Nom. Overall Diameter (mm)	4.9	5.2	5.6	7.1	7.9
Operating Temperature Range (°C)	-25 to +75				
Max. Recommended Pulling Tension (N)	262	391	520	780	1040
Min. Bend Radius (Install) (mm)	49	52	56	71	79
Nominal Cable Weight (kg/km)	32	43	55	81	112

ELECTRICAL CHARACTERISTICS

Part Number	VC216PE	VC316PE	VC416PE	VC616PE	VC816PE
No. of Cores x 16AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	15.47				
Capacitance Conductor to Conductor (Pf/m)	56	55	50	48	45
Nominal Inductance ($\mu\text{H}/\text{m}$)	0.5				
Max. Recommended Current at 25°C (Amps)	6.25	6.25	5	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
VC216PE	Voltan UK 2 Core, 16 AWG Unshielded Multi Conductor Cable, PE Sheath 305M / Roll
VC316PE	Voltan UK 3 Core, 16 AWG Unshielded Multi Conductor Cable, PE Sheath 305M / Roll
VC416PE	Voltan UK 4 Core, 16 AWG Unshielded Multi Conductor Cable, PE Sheath 305M / Roll
VC616PE	Voltan UK 6 Core, 16 AWG Unshielded Multi Conductor Cable, PE Sheath 305M / Roll
VC816PE	Voltan UK 8 Core, 16 AWG Unshielded Multi Conductor Cable, PE Sheath 305M / Roll