



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 20 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

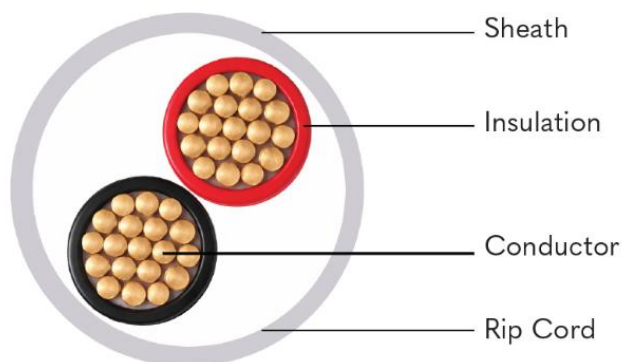
Rip Cord: Nylon Yarn

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	VC220P	VC320P	VC420P	VC620P	VC820P	VC1020P	VC1220P
No. of Cores x 20AWG (7 x 28)	2	3	4	6	8	10	12
Nom. Diameter Conductor	0.87						
Nom. Radial Thickness Insulation (mm)	0.2						
Nom. Radial Thickness Sheath (mm)	0.4						0.5
Nom. Overall Diameter (mm)	3.4	3.6	4.0	4.9	5.3	6.2	6.4
Operating Temperature Range (°C)	-25 to +75						
Max. Recommended Pulling Tension (N)	112	168	224	336	448	560	672
Min. Bend Radius (Install) (mm)	34	36	40	49	53	62	64
Nominal Cable Weight (kg/km)	19.7	6.2	33.1	47.9	60.6	66.0	77.6

ELECTRICAL CHARACTERISTICS

Part Number	VC220P	VC320P	VC420P	VC620P	VC820P	VC1020P	VC1220P
No. of Cores x 20AWG (7 x 28)	2	3	4	6	8	10	12
Max. DC Resistance Conductor (Ω/km)	41.5						
Capacitance conductor to conductor (Pf/m)	46	47	47	45	45	45	45
Nominal inductance (μH/m)	0.5						
Max. Recommended current at 25°C (Amps)	3.75		3	2.6	2.6	2.6	
Max. Operating Voltage (Vrms)	300						

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VC220P	Voltan UK 2 Core, 20 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC320P	Voltan UK 3 Core, 20 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC420P	Voltan UK 4 Core, 20 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC620P	Voltan UK 6 Core, 20 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC820P	Voltan UK 8 Core, 20 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC1020P	Voltan UK 10 Core, 20 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC1220P	Voltan UK 12 Core, 20 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll