



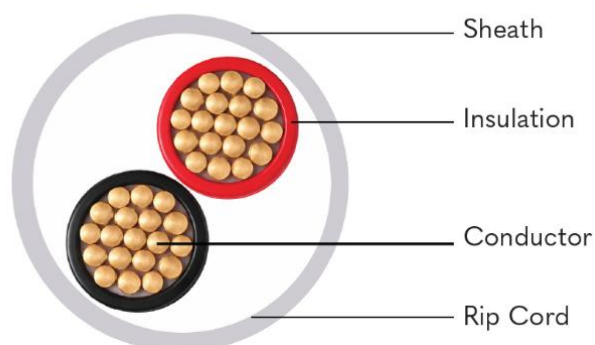
APPLICATION

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: HFFR/LSZH
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 Halogen Free (HFFR/LSZH)
Standard colour: Grey, RAL Code: 7046
Standard Put-up Length: 305 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VC220L	VC320L	VC420L	VC620L	VC820L	VC1220L
No. of Cores x 20AWG (7 x 28)	2	3	4	6	8	12
Nom. Diameter Conductor	0.93					
Nom. Radial Thickness Insulation (mm)	0.25					
Nom. Radial Thickness Sheath (mm)	0.65					
Nom. Overall Diameter (mm)	4.3	4.5	4.9	5.8	6.3	7.2
Operating Temperature Range (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	112	168	224	336	448	672
Min. Bend Radius (Install) (mm)	43	45	49	58	63	72
Nominal Cable Weight (kg/km)	27.7	34.5	42.5	59.1	74.4	112

ELECTRICAL CHARACTERISTICS

Part Number	VC220L	VC320L	VC420L	VC620L	VC820L	VC1220L
No. of Cores x 20AWG (7 x 28)	2	3	4	6	8	12
Max. DC Resistance Conductor (Ω/km)	35.75					
Capacitance Conductor to Conductor (Pf/m)	65	65	68	70	70	70
Nominal Inductance (μH/m)	0.5					
Max. Recommended Current at 25°C (Amps)	3.75		3	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
VC220L	Voltan UK 2 Core, 20 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC320L	Voltan UK 3 Core, 20 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC420L	Voltan UK 4 Core, 20 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC620L	Voltan UK 6 Core, 20 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC820L	Voltan UK 8 Core, 20 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll
VC1220L	Voltan UK 12 Core, 20 AWG Unshielded Multi Conductor Cable, LSZH 305M / Roll