

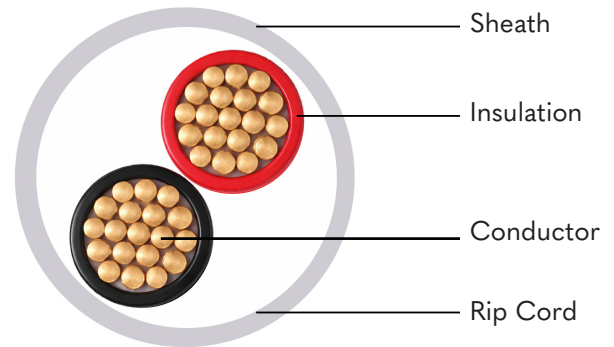
APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 20 AWG Flexible
 Insulation: HFFR / LSZH
 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
 Cabling: Cores laid by twisting
 Rip Cord: Nylon Yarn
 Sheath: 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
No of Cores x 20 AWG (7 x 28)	2	3	4	6	8
Nom. Diameter Conductor (mm)	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
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	112	168	224	336	448
Min. Bend Radius (Install) (mm)	43	45	49	58	63
Nominal Cable Weight (kg/km)	27.7	34.5	42.5	59.1	74.4

Electrical Characteristics

Part Number	VC220L	VC320L	VC420L	VC620L	VC820L
No of Cores x 20 AWG (7 x 28)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	35.75				
Capacitance conductor to conductor (pF/m)					
Nominal Inductance (μH/m)	65	65	68	70	70
Max. Recommended Current at 25°C (Amps)	0.5				
Max. Operating Voltage (Vrms)	3.75	3.75	3	2.6	2.6

Reference & Standards

(BS) EN 50290-2

RoHS directives

IEC 60332-1

Ordering Information

Part Number	Description
VC220L	2 Core, 20 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC320L	3 Core, 20 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC420L	4 Core, 20 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC620L	6 Core, 20 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC820L	8 Core, 20 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll