

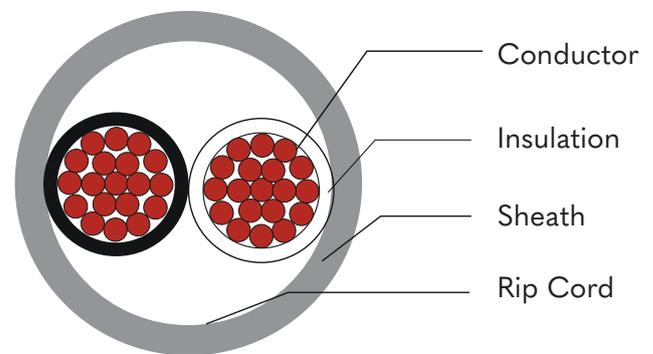
APPLICATION

Multi-Conductor cables suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

DESIGN

Conductor: N x Bare Copper Wire, 24 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
Braid: Tinned Copper wire
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	VC224L	VC424L	VC624L	VC824L
Number of Cores x 24 AWG	2	4	6	8
Conductor Size (AWG)	24			
Nom. Radial Thickness Insulation (mm)	0.3			
Nom. Radial Thickness Sheath(mm)	0.6			
Nom. Overall Diameter (mm)	4.0	4.6	5.3	5.6
Max. Recommended Pulling Tension (N)	50	100	150	200
Min. Bend Radius (install) (mm)	40	46	53	60
Operating Temperature (C°)	-25 / +75			

Electrical Characteristics

Part Number	VC224L	VC424L	VC624L	VC824L
Number of Cores x 24AWG	2	4	6	8
Max. DC Resistance Conductor (Ω /km)	82			82.5
Max. DC Resistance Screen (Ω /km)	59			
Capacitance conductor to conductor (pF/m)	108.2			
Capacitance conductor to rest (pF/m)	200		185	
Nominal Inductance (μ H/m)	0.5			
Max. Recom. Current @ 25°C (Amps)	1.75			
Max. Operating Voltage (Vrms)	300			

Reference Standards

(BS) EN 50290-2

IEC 60228

IEC 60754-1 & 2

IEC 61034, IEC 60332-3-24 RoHS directives

Ordering Information

Part Number	Description
VC224L	2 Core, 24 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC424L	4 Core, 24 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC624L	6 Core, 24 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll
VC824L	8 Core, 24 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll