



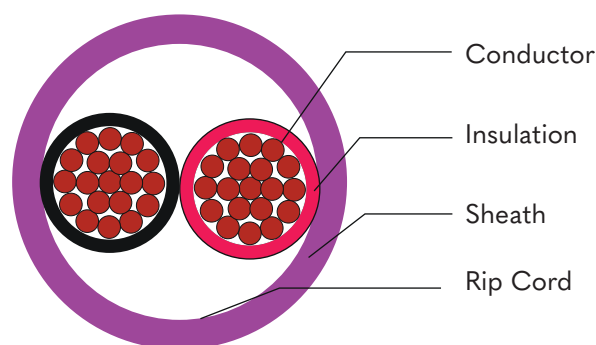
APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 18 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
 Drain Wire: 24 AWG (7x32) Tinned Copper
 Sheath: Flame-Retardant Halogen free (HFFR/LSZH)
 Standard colour: Purple
 Standard Put-up Length: 305 Meters

Cross Section Drawing



Physical Characteristics

Part Number	VC218L	VC318L	VC418L	VC618L	VC818L
No of Cores x 18 AWG (7 x 26)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.2				
Nom. Radial Thickness Insulation (mm)	0.25				
Nom. Radial Thickness Sheath (mm)			0.65		
Nom. Overall Diameter (mm)	4.7	5.0	5.4	6.4	6.9
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	200	299	399	600	797
Min. Bend Radius (Install) (mm)	47	50	54	64	69
Nominal Cable Weight (kg/km)	34.7	45.5	56	78.4	99

Electrical Characteristics

Part Number	VC218L	VC318L	VC418L	VC618L	VC818L
No of Cores x 18 AWG (7 x 26)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	22.7				
Capacitance conductor to conductor (pF/m)	65	70	72	75	75
Nominal Inductance ($\mu\text{H}/\text{m}$)			0.5		
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5	3.5
Max. Operating Voltage (V_{rms})	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
VC218L	2 Core, 18 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll VC218L
VC318L	3 Core, 18 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll VC318L
VC418L	4 Core, 18 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll VC418L
VC618L	6 Core, 18 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll VC618L
VC818L	8 Core, 18 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll VC818L