



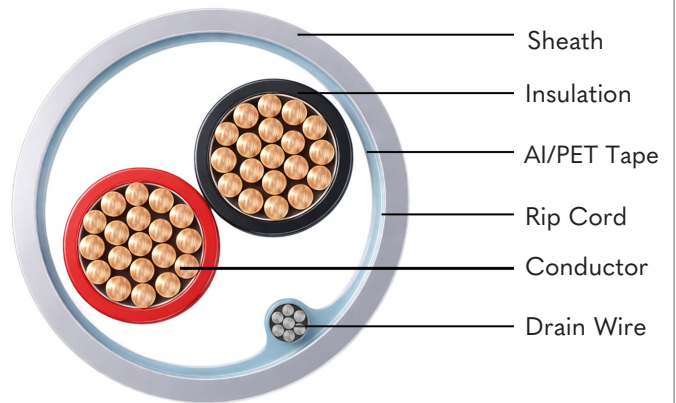
APPLICATION

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

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
Cabling: Cores laid by twisting
Drain Wire: 24 AWG Tinned Copper
Braid: Tinned Copper wire
Screen: Aluminium/Polyester 100% Coverage
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	VSC224L	VSC424L	VSC624L	VSC824L
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	VSC224L	VSC424L	VSC624L	VSC824L
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

RoHS directives

IEC 60332-1

Ordering Information

Part Number	Description
VSC224L	2 Core, 24 AWG shielded Multi Conductor Cable, LSZH 305M / Roll
VSC424L	4 Core, 24 AWG shielded Multi Conductor Cable, LSZH 305M / Roll
VSC624L	6 Core, 24 AWG shielded Multi Conductor Cable, LSZH 305M / Roll
VSC824L	8 Core, 24 AWG shielded Multi Conductor Cable, LSZH 305M / Roll