



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

Cabling: Cores laid by twisting

Drain Wire: 24 AWG Tinned Copper

Braid: Tinned Copper wire

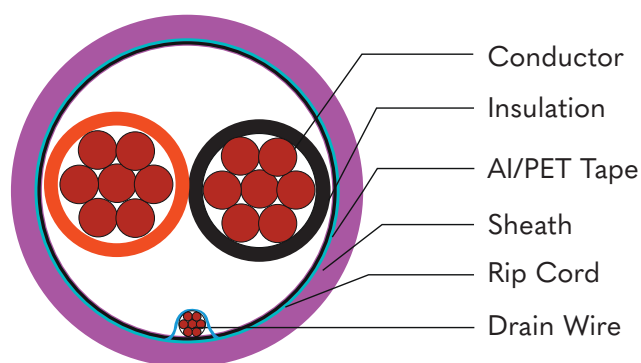
Screen: Aluminium/Polyester 100% Coverage

Rip Cord: Nylon Yarn

Sheath Material: Flame-Retardant Halogen Free (HFFR/LSZH), Standard colour: Purple

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 ($\mu\text{H}/\text{m}$)	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
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