



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

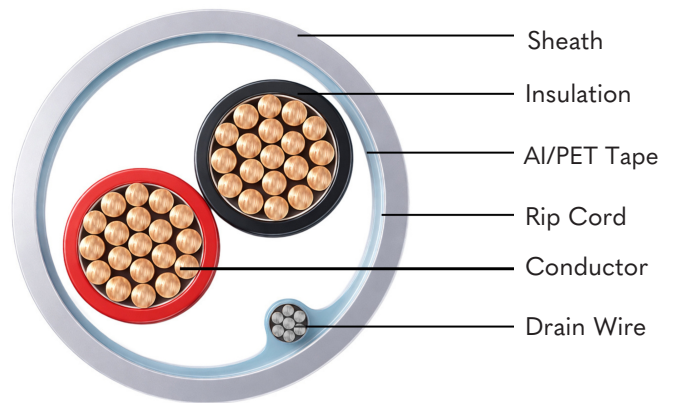
Screen: Aluminium/Polyester 100% Coverage

Rip Cord: Nylon Yarn

Sheath Material: Flame-Retardant Polyvinyl Chloride (PVC), Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305 Meters

Cross Section Drawing



Physical Characteristics

Part Number	VSC224P	VSC424P	VSC624P	VSC824P
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	VSC224P	VSC424P	VSC624P	VSC824P
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
VSC224P	2 Core, 24 AWG shielded Multi Conductor Cable, PVC 305M / Roll
VSC424P	4 Core, 24 AWG shielded Multi Conductor Cable, PVC 305M / Roll
VSC624P	6 Core, 24 AWG shielded Multi Conductor Cable, PVC 05M / Roll
VSC824P	8 Core, 24 AWG shielded Multi Conductor Cable, PVC 305M / Roll