



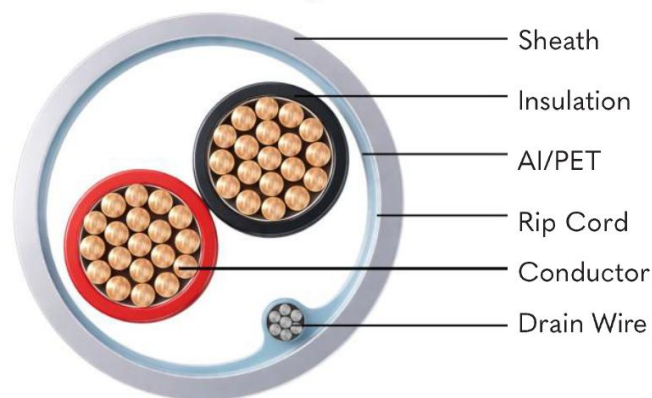
APPLICATION

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: HFFR / LSZH
Core Colors: 1: Black, 2: White, 3: Red, 4: Green, 5: Brown, 6: Blue, 7: Orange, 8: Yellow
Drain Wire: Tinned Copper Wire
Rip Cord: Nylon Yarn
Screen: Aluminium/Polyester 100% Coverage
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
No. of Cores x 24 AWG (7 x 30)	2	4	6	8
Nom. Diameter Conductor	0.75			
Nom. Radial Thickness Insulation (mm)	0.3			
Nom. Radial Thickness Sheath(mm)	0.6			
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)			
Nom. Overall Diameter (mm)	4.0	4.6	5.3	5.6
Operating Temperature Range (°C)	-25 to +75			
Max. Recommended Pulling Tension (N)	50	100	150	200
Min. Bend Radius (Install) (mm)	40	46	53	60
Nominal Cable Weight (kg/km)	20.5	25.2	29.9	41

ELECTRICAL CHARACTERISTICS

Part Number	VSC224L	VSC424L	VSC624L	VSC824L
No. of Cores x 22 AWG (7 x 30)	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 (μH/m)	0.5			
Max. Recommended Current at 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	Voltan UK 2 Core, 24 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC424L	Voltan UK 4 Core, 24 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC624L	Voltan UK 6 Core, 24 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC824L	Voltan UK 8 Core, 24 AWG Shielded Multi Conductor cable, LSZH 305M / Roll