



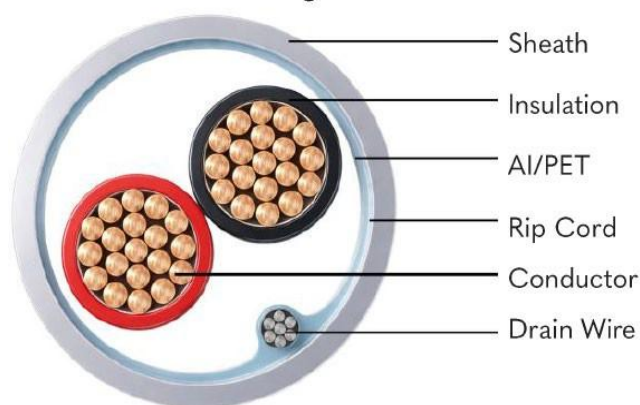
APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 14 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	VSC214L	VSC314L	VSC414L	VSC614L	VSC814L
No. of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Nom. Diameter Conductor	1.8				
Nom. Radial Thickness Insulation (mm)	0.3				
Nom. Radial Thickness Sheath (mm)	0.65				
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)				
Nom. Overall Diameter (mm)	6.2	6.6	7.2	8.6	9.3
Operating Temperature Range (°C)	-25 to +75				
Max. Recommended Pulling Tension (N)	420	635	845	1265	1685
Min. Bend Radius (Install) (mm)	62	66	72	86	93
Nominal Cable Weight (kg/km)	63.7	88.5	110.7	152.6	158.1

ELECTRICAL CHARACTERISTICS

Part Number	VSC214L	VSC314L	VSC414L	VSC614L	VSC814L
No. of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	9.36				
Max. DC Resistance Screen (Ω/km)	78.5				
Capacitance Conductor to Conductor (Pf/m)	190	185	183	178	173
Capacitance Conductor to Rest (Pf/m)	340	350	330	320	315
Nominal Inductance ($\mu\text{H}/\text{m}$)	0.5				
Max. Recommended Current at 25°C (Amps)	8	8	6.4	5.6	5.6
Max. Operating Voltage (Vrms)	300				

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC214L	Voltan UK 2 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC314L	Voltan UK 3 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC414L	Voltan UK 4 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC614L	Voltan UK 6 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC814L	Voltan UK 8 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll