



## APPLICATION

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

## DESIGN

Conductor: N x Bare Copper Wire, 14 AWG Flexible

Insulation: HFFR / LSZH

Core 1: Black, Core 2: Red, Core 3: White, Core 4: Green, Core 5: Brown, Core 6: Blue, Core 7: Orange, Core 8: Yellow, Core 9: Purple, Core 10: Grey, Core 11: Pink, Core 12: Tan (Black colour with number identification on cores above 12)

Cabling: Cores laid by twisting

Screen: Aluminium/Polyester 100% Coverage

Drain Wire: Tinned Copper Wire

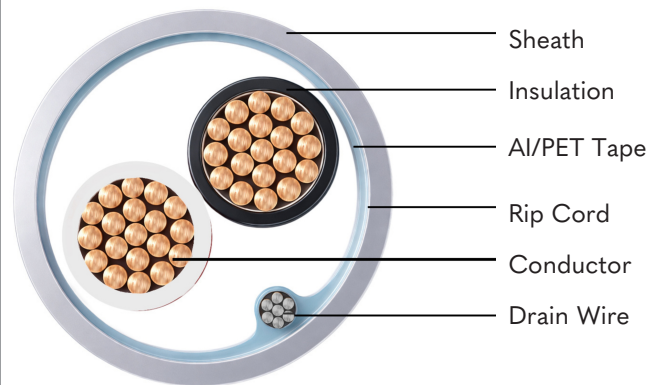
Sheath: Flame-Retardant Halogen free (HFFR/LSZH)

Standard colour: Grey, RAL Code: 7046

Rip Cord: Nylon Yarn

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 (mm)	1.8				
Nom. Radial Thickness Insulation (mm)	0.3				
Nom. Radial Thickness Sheath (mm)	0.65				
Nom. Drain Wire Diameter (mm)	24 AWG (7 *0.32)				
Nom. Overall Diameter (mm)	6.2	6.6	7.2	8.6	9.3
Operating Temperature (°C)	-25 / +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 Core to rest (Pf/m)	340	350	330	320	315
Nominal Inductance (μH/m)	0.5				
Max. Recommended Current @ 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	2 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC314L	3 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC414L	4 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC614L	6 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC814L	8 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll