



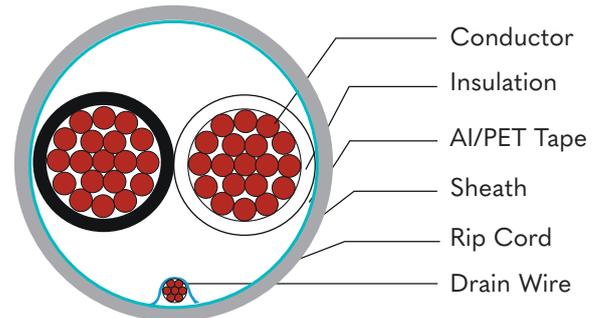
## APPLICATION

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

## DESIGN

Conductor: N x Bare Copper Wire, 12 AWG Flexible  
 Insulation: HFFR  
 Core 1: Black, Core 2: White, Core 3: Red, Core 4: Green, Core 5: Brown, Core 6: Blue, Core 7: Orange, Core 8: Yellow  
 Drain Wire: Tinned Copper Wire  
 Screen: Aluminium/Polyester 100% Coverage  
 Sheath Material: 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	VSC212L	VSC312L	VSC412L	VSC612L	VSC812L
No. of Cores x 12 AWG (19 x 25)	2	3	4	6	8
Nom. Diameter Conductor	2.3				
Nom. Radial Thickness Insulation (mm)	0.3				
Nom. Radial Thickness Sheath (mm)	0.65				
Nom. Drain Wire Diameter (mm)	7*0.32				
Nom. Overall Diameter (mm)	7.4	7.8	8.6	10.3	11.3
Operating Temperature Range (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	675	1015	1350	2025	2700
Min. Bend Radius (Install) (mm)	74	78	86	103	113
Nominal Cable Weight (kg/km)	97.4	130.0	165.3	236.7	307.3

## Electrical Characteristics

Part Number	VSC212L	VSC312L	VSC412L	VSC612L	VSC812L
No. of Cores x 12 AWG (19 x 25)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	5.61				
Max. DC Resistance Screen ( $\Omega$ /km)	76.5				
Capacitance Conductor to Conductor (Pf/m)	190	190	190	180	176
Capacitance Conductor to Rest (Pf/m)	345	345	345	323	320
Nominal Inductance ( $\mu$ H/m)	0.5	0.5	0.5	0.5	0.5
Max. Recommended Current at 25°C (Amps)	12	12	9.6	8.4	8.4
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
VSC212L	2 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC312L	3 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC412L	4 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC612L	6 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC812L	8 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll